

THE AMERICAN Greatest Circulation in the World WEEKLY

"The Nation's Reading Habit"

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Sunday, Feb. 4, 1940



No. 1—Tale of Arthur's Sword "Excalibur"

IN HIS adventurous youth Arthur became King, but he hadn't a good sword, and without a good sword no king can amount to much. The best swords were forged by magic or acquired by a miracle, and Arthur, starting out with a blade of ordinary manufacture, nearly met his death. When he was fighting with Pellinore, his cheap weapon broke in pieces, and Pellinore would have cut off his head if Merlin hadn't happened along and engaged him in conversation. Pellinore, who liked to finish one thing at a time, wouldn't talk until Arthur was dead, so Merlin put an enchantment on him and told Arthur they'd better get out of there.

But Arthur was worried; they were sure to meet someone, and anyone you meet is likely to be an enemy, and he had no sword. Merlin said he knew of a sword in those parts which they might pick up as they rode along.

They came to a lake, broad and deep, and out of the middle of the water an arm rose up waving a fine sword at them.

"Didn't I tell you?" said Merlin. "There's the sword now."

Before they could do anything about it they saw an engaging young woman walking on the water, coming in their direction.

"Who is she?" asked Arthur.

"That's the Lady of the Lake," said Merlin. "She spends most of her time in a palace inside a rock, which is under the surface, and if you

speak to her politely she'll give you the sword."

Arthur put on his best manners. "Damsel," said he, "I need a sword, and that one would suit me perfectly if I could get it."

"Sir Arthur," said the lady, "it belongs to me, but it's yours on one condition: promise me a little gift which I shall name later."

"Whatever you wish," replied Arthur, who could be reckless at times.

"Well," said the young woman, "since you probably can't walk on water the way I can, seat yourself in yonder boat and row to where the sword is, and when you get to it, seize it firmly by the hilt and be sure to take the scabbard

7 TALES From King Arthur's Court

Told by John Erskine
Who Wrote "The Private Life
of Helen of Troy"
Paintings by Dulac

along. You'll need it."

"And what about that gift you spoke of?" said Arthur, whose mind was beginning to work.

"Let me ask for that," said the damsel, "when the right time comes."

Arthur and Merlin got down and hitched their horses to a tree, and sat in the boat, Arthur doing the rowing. When they reached the hand sticking out of the water, he grasped the sword by the handle and gave a good pull. It came away more easily than he expected, and the scabbard with it, and at once the arm and the hand sank out of sight. He laid the sword reverently on the boat bottom and looked around to thank the lady, but she was gone.

So they made for shore, unhitched their horses and rode off, talking of this and that.

"Which do you fancy more," said Merlin, "the blade or the scabbard?"

"The blade, of course," said Arthur, perplexed that even a philosopher should ask a question as easy to answer as that.

"It's a matter of opinion," said Merlin. "The blade is out of the ordinary, but so is the sheath. So long as you have it strapped to your middle you won't bleed a drop, however you may be wounded."

Arthur's gratitude doubled at the news, and he promised never to leave the scabbard at home.

But though he had now found a sword worthy of him, the story isn't finished, as you can see for yourself: in the back of his head he was thinking the lady might put in an appearance any moment and ask something awkward. Besides, he had forgotten to inquire what the sword was called. The best swords, the magical ones, have always a name, and unless you know its name you can't get out of a sword what you should.

In those days it was, you might say, the fashion for damsels from fairyland to distribute magical weapons among the deserving. Arthur's case was not unique. To be sure, not all of the young women were as beautiful as the Lady of the Lake, few of them had skill in walking on

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How The Crooks Steal Automobiles Work Their Racket

FROM New York to San Francisco, from Portland to Miami Beach, the cry "my car has been stolen" is heard at least 213,540 times a year. The toll of the auto-stealing racket reaches \$108,000,000 before the last of the year comes off the assembly line. Out of every nine cars produced, one is destined to become the booty of crooks.

These figures are quite apart from the lesser booty obtained by smaller fry thieves who steal valuable left-hand-drive cars, or estimate can be made of the hundreds of thousands of dollars worth of gloves, fur pieces, merchandise, clothing, suitcases and money that is annually stolen from cars supposedly locked up tight by their owners, who believed no one could break into their automobiles.

Any dark street may have its prowler waiting for the owner to leave his car for only a few minutes so that he can either drive it away to a secret place, there to alter it before it is sold for a fraction of its price, or rifle it for any valuable belongings or accessories.

Auto thieves, like their brothers the burglars, work best in the dark. Ten minutes after the owner has parked his car, the thief goes to work. He slips a thin screwdriver between the vent-later window and the regular glass. Quickly he pries it open half an inch. That is all he needs in which to work.

The glass won't crack because it is shatter-proof. Then he inserts a thin wire about 20 inches long with a loop in one end. He has a practical fisherman and it is no trick at all to catch the inside handle with his loop. In fifteen seconds he has opened the door of the tightly "locked" car.

There are other variations to the car-stealing racket. Sometimes a "stranger" may be parked in back of a car he wishes to steal. When the owner comes for his car, the thief claims to have lost the key and asks the owner to give him the key. He has to try the other man's key in the hope it will open his car. But automobile manufacturers have long since discarded the "same key for all cars" policy as the stranger is merely going to palm your key in his hand with a piece of wax or soap so that he gets a good impression of it. Then a good locksmith can easily make a duplicate key. Or the thief may memorize the number on it and get another key made by asking the locksmith for a duplicate with the same serial number. Then he comes back for your car.

These methods are small-time to the professional crook. He can't afford to get a wax impression or wait until the owner parks the kind of car he wants. He knows beforehand the type of car he can sell for quick cash and goes looking for it.

When he spots the car he wants, he memorizes the license number. Then he goes to the "phone book" to buy it and asks him to get the name and address of the man who owns it.

The crook then gets the correct information by calling a political friend who has access to the list of motor vehicle owners. He explains "some deadbeat is trying to do me out of a garage bill. Will you give me the name of that guy so I can nab him."

Armed with this information the thief waits after dark

for the victim to drive up in front of his home. The owner steps out, locks it securely and goes into the house. Two minutes later, the thief slips his special thin screwdriver in the edge of the door, prizes away the rubber strip, loosens the screw that holds the lock and takes it out. Any crook can fit a key to a lock once it is in his hands. He merely takes it where he can be seen. Once that simple job is done, the car is lost.

Many cars are built so that the door lock cylinder can't be removed so easily. When such a car is marked for theft, another technique is used. On the pretext of repairing the motor, the thief lifts the hood. With another hooded wire, he goes fishing for the door handle up through the slot in which the clutch moves up and down through the floor. In a few minutes he has caught the door handle and a quick jerk opens it. Once inside, the darkness conceals him from anyone who might become suspicious and interfere with his plans by calling for the police.

With the door shut it is a simple trick to pick the ignition lock. The most effective burglar tool is the lock pick. A set of picks makes any lock in the world insecure. Lately an automatic pick has been invented that permits the most experienced crook to be as quick at unraveling a combination as the most skilled professional. This tool resembles a gun and it manipulates the tumblers so that they yield at the opening points. The one serious disadvantage is that the "gun," like the real weapon, makes a lot of noise and has to be muffled.

Because the most important factor in stealing a car is time, the crook must learn the combination of the lock in advance. Then with the right key, he can make off with a car in a couple of minutes.

To help him "read" a lock, he may use an ingenious machine that registers the size of each tumbler. With these tiny measurements he can then enter the lockmaker's shop and get a key made to the numbers. These tools are small enough to be carried inconspicuously and can be used with small chance of detection.

Not long ago the police in New York City tracked down a gang of auto thieves who were supporting a locksmith's shop. During the day it was a legitimate business but at night it became one of the most dangerous laboratories in the world. Every method of opening locks was learned and practiced. In short order a thief could become a professional "picker." Most of the "graduates" were taken into custody.

Common sense is one sure way to beat the auto crook. The first consideration is never to leave a car in an unguarded place. If an added precaution, in a safe place, on the car doors and windows. Park the car where it can be seen. Locks won't keep the crook out so much as they can keep the crook from getting in. If he can't get in, he can't get the job done, he'll try some other car.

Crooks have been known to talk their way out of situations by claiming that they "made a mistake" in entering the wrong car but the risk of putting over this story makes them very anxious not to get involved.

The legal adviser studied the law pro-



Chemical Warfare, Trick Traps and Other Up-to-Date Gadgets Are Rapidly Replacing the Tally and the Tom as Extremities of Rats and Mice.

Whoever Died Pipers Getting Rough On Cats

MOST people are divided into two factions: those who like cats and those who prefer dogs. But whether you belong to the group that firmly believes cats are charming because they are independent and not man's best friend, or that cats are the treasure of the house, the Siamese and the Persian to the humblest alley-cat they are all beautiful while only pure-bred canines are really unattractive. No one will hesitate to say that felines are accomplished rat-chasers.

Wasn't Rufus, the cat in the Treasury Building in Whitehall, London, so efficient that he had his pay raised from four cents to six cents because he was such a grand cat? That happened in 1930 and the British Empire in that way paid homage to the sixteenth feline on its payroll. However, Rufus really was a privileged character because none of the fabled cats got raises at the same time.

And a recent dispatch from London announces that the British Government is going to stop allowing postmasters a shilling a week for the support of a postoffice cat. Whether this order was due to the stringency of a war budget or whether it was because cats seemed to be slackening up in the business of rat-catching, was not mentioned in the communication.

Over in this country, cats have been on payroll as rat-catchers in public buildings from time to time. Their pay has varied according to the price of whatever it is that cats eat in order to be on the alert.

But now a great shock has come to all cat-fanciers. Their pets are being maligned as of absolutely no use as really efficient rat-catchers. And, since science has done them out of a job, they are likely to join the ranks of the unemployed which includes alien screen artists, pony express riders, horses and other victims of technological unemployment.

This startling piece of information comes straight from the Government of the United States. In Philadelphia the Federal Housing Authority is about to put up a housing project which will cost \$400,000. Before building this very expensive project, it is necessary to destroy some 10,000 rats which infest the site.

Now in order to get rid of these rats, an agency has to be called in. But, instead of furnishing cats to do this job, chemical warfare has been enlisted and the felines have been told to go chase catnip miles.

Scientific rat catching is a very specialized kind of thing. It is done with tear gas, the same kind of tear gas used in the World War. It is completely fatal to rats, who die very quickly.

Then there is also a powdered form of hydrocyanic gas which combines fatally with the moisture in the air. And other deadly gases are used. In order to make sure that the job is thorough and permanent.

This recalls the famous case of the cat, Tangerine, prize tabby of Washington, D. C., who in 1924 adopted an infant mouse in order to protect the mouse after Tangerine's uncle had devoured the mouse's mother.

If anyone thinks that Mr. Kopf is not a feline-lover and therefore is prejudiced against tabbies, it is interesting to hear the opinion of Mrs. Otto Karl Baunhof, secretary of the Quaker City Cat Club.

"It is absolutely true," said Mrs. Baunhof. "I myself have two Persian cats but they would not even look at a mouse. I am certain that if I confronted with a rat, they would faint. If you really prize your cats, however, you do not keep them because of rats or mice, but because you want their companionship. In fact, it is better to keep them away from mice and rats, since these rodents give the cats germs and fleas."

So it looks as if cats may have to be supported by private industry if they are not to starve, for the government no longer intends to put them on the payroll.

However, cats don't have such a tough time ahead of them as modern exterminating methods may make it seem. The recent increase in the number of cat shows in this country is ample proof that while the cat may be saving its work of rat-catching lightened by science—with an increase of leisure—the animal is getting a tremendous hold on the human race as an amusing and companionable pet.

Before the Considerate Countryman Begged Himself He Had Saved His Friends the Trouble of Burying Him or Casket or Having a Grave Dug to Receive His Remains.

America's Most Considerate Suicide

EVERY day there are many people in this country who, for no reason or another, put a violent end to their lives. Some of them leap under the mangle wheels of trains. Others poison themselves, or shoot themselves. Or snuff in lethal doses of deadly gas.

Most of these unhappy souls leave behind their messy situations for their kinfolk and their friends to clean up. In their urgency in "shuffle off this mortal coil" they are too concerned with keeping a rendezvous with death to think of the inconvenience they cause the living.

Now and again, however, the newspapers report the case of a suicide who is not too haphazard in his inconsiderate act in the face of grim circumstance to give a thought to others. These people put their affairs in order. They make their wills. They leave plain instructions for the disposition of their remains and manage to depart this life with a minimum of unpleasant fuss and furor.

Such a man was 70-year-old Andrew Cleaves, of the little town of Sargentville, Maine. His neighbors think that he was about the most considerate suicide they ever heard of.

Not long ago, the aged and unhappy Mr. Cleaves hanged himself from a tree, not far from the Church place where he had made his home for many years. He left a note bequeathing his few worldly goods to people who had been kind to him, and gave plain directions where his body would be found. But that wasn't all—he had also bought a coffin and had a grave dug. He had paid for these grim necessities—and his funeral—because, as he put it, he "didn't like to be any bother to anyone."

Several days before he killed himself, Mr. Cleaves dropped into the undertaking parlor of Carleton Harvey. He was calm and courteous, as he always was to his fellow men. He explained in his thin, old voice that he was getting along in years.

"I'm an old man," he said, "and before long I'm going to die. I'd like to pay for my funeral now."

Although the situation was a little unusual, it is not unique. Mr. Harvey had known of other people who had made their funeral arrangements in advance of actual necessity. So he talked with the old man, found out what kind of funeral he had in mind, and hoped that it would be a long time before he would be called upon to consummate the deal.

Mr. Cleaves didn't say he hoped so, too—neither did he give the slightest hint that the medical examiner would be calling Mr. Harvey within the next few days. The two men went out into the back room of the funeral parlor and the old man picked out a plain, solid and inexpensive coffin. He was as collected and businesslike as though he were buying an order of groceries, or a suit of clothes.

He took some well-thumbed bills from an old wallet and paid for his coffin and his funeral. He shook hands with Mr. Harvey and went home.

A day or two later Mr. Cleaves paid a visit to the nearby village of Abbot. He called on a cemetery official and made all arrangements to have a grave opened. He didn't say it was for himself. Again he paid, and went away.

It wasn't long after that that Mr. and Mrs. William Church found the note telling them that the old man who had lived with them for many years was no longer among the living. His body would be found behind a certain shed. And it was.

The Churches were shocked. They knew that Mr. Cleaves had felt himself a burden to them, but they had tried to talk him out of this depressed frame of mind. They knew that, in spite of everything they could do, that their guest felt lonely, because he had not a living relative.

They tried, as best they could, to fill this gap. They knew that the years were weighing heavily on the old man and that he spent a great deal of time thinking of the days when he was a strong, hard-working farmer, one of the best in the State of Maine. And they made a lot of conversation about the "Autumn of life" and how a man earns the right to take things easy after years of hard work. They said that the old man didn't place much store by what they said. But they didn't think for a minute that he was in a mood to take his own life.

Their greatest surprise, however, came when they learned that Mr. Cleaves had looked after all the details of his own funeral. A grave was ready to receive his body. A coffin and that "shed" in the graveyard were all paid for. A simple will and testament left no confusion about the distribution of the few things he left behind.

To the Churches and to everybody else in the neighborhood when the strange story of Andrew Cleaves passed came out—it seemed that they could point with pride to the country's most considerate suicide. Their neighbor who had moved so quietly among them hadn't wanted to be a burden to anyone, even when he was obsessed by the urge to end his days.

The tragedy had its sentimental aspects, for the spot the old man had picked to hang himself was his favorite one on the farm where he had once worked when he was well able to pay his own way. It was a sheltered one and the tree of death was behind an hedged, so that no one would have the unpleasant experience of driving along the road and seeing a gaunt body swinging in the wind.



The Gangsters Who Specialize in Stealing Cars Have Become So Clever at Their Racket That They Get Away With More Than 215,000 Machines a Year, Rolling Stock Worth About \$168,000,000.

Sued The Bear That Ruined His Crops

SARAJEVO, Jugoslavia. JUST as Filip Petrovich was sitting down to his coffee one morning, a neighbor arrived with bad news. A bear had been spotted by the almost-ripe ears of his cornfield and was ripping up stalks all over the place. The neighbor had caught the thing's head at it and if Filip Petrovich would hurry, he could see for himself.

The farmer was in a hurry, but there was one crop he could raise on his small farm. It was corn. The neighbors often said that he seemed to have a magic formula for growing every crop around and full.

Filip Petrovich grabbed his gun and went he would have the marauder's pelt to compensate him for the damage done. But when the farmer got to his field, the bear had gone. The damage was considerable. What the animal had not been able to eat, he had trampled down in a playful spirit.

Filip Petrovich could start on his one-man bear hunt, wiser counsel prevailed. Some one remembered the recent Jugoslavian bear-conservation law. The animal had been getting scarce and now they were, in effect, wards of the country protected by decree. Any animal who shot a bear would be fined 1,000 dinars.

That sum was more than Filip Petrovich's whole crop was worth so he decided to get a permit to kill the animal. A good bear skin—and a few juicy stakes—might pay for part of the damage.

When he applied for permission at Sarajev-Most, the village near his farm, he was told that he could not legally kill the bear.

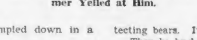
Filip Petrovich went home and thought the matter over. Then he walked over to the cornfield to have another look at the wreckage. This time his rage boiled over. He caught the bear in the act of trampling down the rest of the field. The husky interloper refused to move until the farmer yelled at him and made threatening gestures.

The corn grower decided to act, law or no law. So he talked to a lawyer. The legal adviser studied the law protesting. It was all-right.

Then he had a bright idea. Since the bear, in effect, was a ward of the country, why couldn't he be used for damages? So formal suit was filed with the bear as defendant. The villagers thought the idea very funny, but were anxious for a test case.

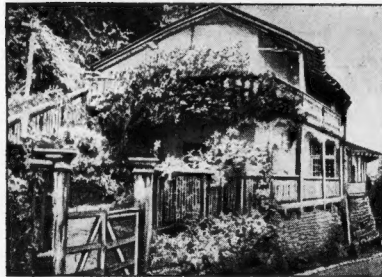
The suit will be heard soon. The sheriff wonders if it will be up to him and his deputies to catch the bear.

The Hungry Bear Refused To Get Out of the Cornfield Until the Farmer Yelled at Him.



Murdered His Wife But Didn't Know It

Two Personalities Possessed Brilliant Dr. Lockhart, Lord Dawson, King George's Surgeon, Testified, So the Criminal One Could Have Deliberately Killed the Woman the Normal Man Loved and Still Believed Alive—And the Court Agreed That Is Exactly What Happened



The Lovely Home of the Lockharts, in Nottingham, England. Where the Strange Crime Was Committed.

NOTTINGHAM, England, Jan. 20.—OUR wife is dead and you are charged with murdering her."

Dr. Leonard Philipps Lockhart, brilliant young doctor of this city, had opened astonished eyes to find himself a patient in a hospital and a policeman sitting beside his bed. Something dreadful must have happened—his first thought was for the wife he adored, and that was the reply the policeman gave to his question.

There was no jealousy, no trouble of any sort, nothing but love between this husband and wife. It was impossible that he would have murdered the person he loved more than anyone else in the world and yet it was true.

Slowly Dr. Lockhart realized that he was a "Dr. Jekyll" in real life whose "Mr. Hyde" self had taken possession and made him do the very worst thing his normal self could have imagined.

The crime had not been committed in a state of unconsciousness but, as the jury was told at the murder trial just finished, "in a state of unknowingness, in which memory, judgment and will were absent."

Let anyone suppose that this was just another trick by a clever lawyer to save a murderer from the noose, it should be mentioned that the highest medical authorities in England were behind that statement, including Lord Dawson of Penn, royal surgeon to the British King and Queen.

Nor should anyone planning a murder hope to escape the consequences by pretending that "Jekyll-Hyde" defense. It must be real—and in this case the judge, jury, and finally, even the prosecution decided it was real.

The tragedy happened during the night of September 1, the day on which all England knew that Germany had invaded Poland. After spending long hours as head of the town's Air Raid Precautions organization, Dr. Lockhart opened the door of his home late in the evening. From her bedroom, Mrs. Lockhart called, "Is that you, Len?" and he replied, "Yes, my love."

His next recollection, after that, is opening his eyes in the hospital. It seemed an instant later, but three days really had elapsed. The best scientific opinion of England is that immediately after answering his wife's call, the doctor's mind became dissociated, for reasons that will be explained later, and a secondary personality took complete possession.

This was not a wicked self or a good self; it was a personality that knew no more about good or evil than does a complicated machine. The secondary self had command of all the doctor's knowledge, skill and experience. It had command of the doctor's memory but could not record on that memory anything that transpired while the secondary self was in control.

The doctor probably willed more than anything else in the world that his wife should live long and happily but that will was asleep. Most deadly of all, because it made the in-

truding personality less human than the most depraved criminal, in his normal state, was the fact that judgment, too, was asleep.

This invading personality had ideas, was capable of forming purposes and had every ability for carrying them out, but no way of judging whether they were good or bad.

As this stranger, clothed in her husband's flesh, entered Mrs. Lockhart's bedroom, evidently there was no outward sign that an impostor-self was looking at her through those familiar, kindly eyes. In some way, which perhaps will never be known, he persuaded the woman that she needed an injection of something in her arm. Then with all the skill he could have used in his normal condition, the doctor first applied a tourniquet to make the veins in the arm swell.

This made easier the delicate operation of intravenous injection, in which the needle must enter but not pass through the other side of a vein. Such an injection could not possibly have been given without the patient's co-operation by keeping perfectly still.

The drug he injected into a vein did not kill her because only enough was administered to make her unconscious of the killing which came later.

The use of an anesthetic was not necessary due to any tenderness of the secondary self but was probably just the result of habit—since it is customary for a doctor to give an anesthetic before doing anything painful to a patient. Likewise, because of habit, he sterilized the puncture with alcohol, as carefully as though the intention had been to save a life instead of taking one.

Waiting until the anesthetic had taken effect he turned on gas in the little gas fireplace. The purpose was to join her in death but he must have spent some time out of the gas-filled room, during which he placed the following warning in the hall:

KEEP OUT, GAS, FETCH POLICE.

Also he wrote a letter to Bartlett, his manservant, advising him that in case anything should happen to them he could take away anything in the house he liked or move in and live there if he wished.

Bartlett, arriving in the morning, found a house full of gas and two figures lying by the

The War's Strangest Victim. Mrs. Lockhart, Put to Sleep and Then Anesthetized by the "Mr. Hyde" Personality of Her Husband, Which First Took Possession of Him in the World War and Then Again When War Was Declared Last September.

unlighted fireplace. Mrs. Lockhart was already cold in death and the doctor so close to it that they could not bring him back to consciousness for three days.

It seemed at first an obvious case of murder and attempted suicide or a suicide pact in which one had survived. The prisoner's statement that he had no recollection of what happened and no motive could hardly be called a defense.

But one night, in his prison cell, the doctor sobbed and carried on in his sleep an strangely that the governor of the prison was called. The secondary self had apparently realized that what he had done was a mistake which would cause the body they both inhabited to be hanged and that self now tried to help.

During sleep it managed to poke up from its own private memory into the other self's dreaming consciousness, scattering flashes of visions. Some of these remained in his waking memory and were related in his court, as follows:

"I was in a prison room, with a gas-fire, when I smelted an escape of gas which forced me to open the window. Gas? Gas? What did that mean to me? Then queer pictures formed themselves in my brain. Just as one collects together bits of a dream, I remembered and felt odd sensations. Floating around the cell was my wife's body. Everything seemed cold with a coldness that was horrifyingly vivid.

"Gas seemed to mingle with the coldness as the image of my wife's body floated down into my arms. Oh, how cold was that dear body; how limp it lay in my arms! She was helpless. Perhaps she was dead. But a part of the memory I got back was a mixed feeling of joy and horror.



"Your Wife Is Dead and You Are Charged With Murdering Her," the Constable Told Dr. Lockhart When He Was Released, But He Was Normal, and Did Not Know That His Other Self, Three Days Before, Had Given a Drug to Mrs. Lockhart and Then Turned on the Gas, Intending to Die With Her.

When the Dr. Jekyll personality, Preserved, Dr. Lockhart and His Devoted Wife on a Holiday in the Woods. The Doctor Was Always Happy and Gay When There Was Nothing to Stir War Memories and Awaken His Other Identity.

"I was terrified lest mutilation should come to her and happy that I could not see out of the reach of such mutilation. It was then that I realized that previous experiences of my dual-controlled brain had been repeated and I trembled at the thing which I thought I had done."

Every effort was made to get the prisoner to salvage more scraps from the jungle of his subconscious mind but that was all he could ever recover. They were enough, however, to make sense of England's most eminent psychiatrist who knew Dr. Lockhart personally, and were familiar with what had happened to him as a youth in the last World War.

The foundation for the defense was laid in the doctor's own testimony recalling the days when that secondary personality was born. He said:

"While serving in France in 1918, in the West Surrey Regiment, I went through long periods of trench warfare. On two occasions my whole platoon was wiped out except two of us and I was nearly a prisoner when I was blown sky-high by a German shell.

"I remember being placed on a stretcher and carried away by four Germans, but after that, I can recall nothing until I was again fighting in the trenches.

"This time I was pulled out of the Hindenburg Line and by my own commanding officer, after which my mind again went blank, although I have learned since that during that blank period my 'other self' carried on.

"They tell me that I was a hero during those days. But if it was then it was my abnormal self, and not my normal self that did deeds of valor."

After the war, Dr. Lockhart thought he was all right and made a most happy marriage. The first inkling that the machinery of the brain was likely to slip out of gear came when he was forced to resign two good medical positions, during the next four years, owing to what were called "memory lapses while giving anesthetics during operations."

For these lapses he was advised to give up active clinical work and go in for research. He soon became medical officer and welfare worker for one of England's largest manu-

facturing druggists and there were no more lapses.

"Then came the threat of war once more," the doctor testified. "My supreme disappointment was that after spending so much time in trying to create things, we were going to smash them up again."

The experts later identified this ironical feeling as a symptom that the war-born secondary self was beginning to stir and get ready for revolt. This revolt naturally climaxed on Sept. 1, the day when the last hope of peace was killed, and on that day came the final bit of evidence. The doctor had torn his radio set out of his house and brought it to an astonished neighbor, with these words:

"You can have my wireless set. I do not want to hear any more of this everlasting news of crimes and fighting."

The secondary self seems to have believed the dire threats of a sky, black with bombers, that would mangle and destroy almost everybody in England. The one thing Dr. Lockhart could not bear was the thought of his wife being mutilated.

The secondary personality saw a sure way to prevent this by placing her in the safety of the grave and evidently planned to go along with her. Said Lord Dawson of Penn:

"I judge him to be suffering from dissociation between the higher levels of the brain and those below it. And when I talk of unconsciousness, I use the word in the sense of 'unknowingness' and not in the sense of coma. Actions like these take place without the person actually knowing what he is doing."

"The executive side of the mind remains in operation while knowings and appreciation are in suspension."

Dr. A. L. Culpin, Professor of Medical Industrial Psychology at London University, testified:

"In this case the doctor would find himself intending to kill his wife without actually thinking about it.

"This dissociated personality means cutting off from control of the body of the three great functions that constitute a man: memory, judgment and will. Even a display of apparent intelligence, purpose and deliberate premeditation, in no way conflicts with the scientific view that the man who displays these qualities is not the man who should be in control of the body."

Overwhelmed by this mass of authoritative testimony and unable to refute it, the prosecution lifted, actually suggesting that the jury might exercise mercy. Its verdict was "Guilty of murder, but insane."

This was accepted by Judge Singleton who sentenced the prisoner to be held in a "criminal lunatic during the King's pleasure." This means he will be held until such time as a way has been found to suppress the good doctor's dangerous "Mr. Hyde" self.



Georgette "Dicky" Meyer is One of the Prettiest Flyers That Ever Climbed Into a Cockpit. She Also is One of the Nerviest. To Find Out Whether Women Are Physically and Temperamentally Fit For the Job of Test Pilot, She Made an 8,500-Foot Dive and Hit a Speed of 110 Miles an Hour.



A 20-Year-Old Girl Dives 10,000 Feet in a Fighting Plane to Prove That Women Can Be Combat Pilots

Miss Meyer Had a Nerve-racking Ride in This Speedy Plane. She Went Up a Couple of Miles, and on the Way Down, Probably Traveled Faster Than Any Member of Her Sex. She Believes That Women Can Handle the Speediest Planes and That, in Emergencies, They Might Even Go In for Combat in War Planes. In Coming Out of a Dive She Experienced the Unpleasant Sensation of Multiplying the Pull of Gravity Seven Times.

How It Feels To Go 7 MILES A MINUTE

By GEORGETTE "DICKY" MEYER.

AS WE take off, I recall test pilot S. A. Converse's last words: "If I tell you to jump, go over the left side. I'll take the right. And get out in a hurry!"

The roaring 500-horsepower motor lifts us up a quarter mile before I can turn my head. The fighting plane belongs to Le Roy Grumman, a designer, whose ships the Navy uses for combat flying. I feel awfully small for my 20 years and wish—just for a minute—that I was back at my stenographer's desk at an airline office in New York. But I am the guinea pig in a flying experiment. Can women become combat pilots? I say they can and there is a chorus of jeers around the Bethpage, Long Island, flying field. So it is up to me to

show these hard-boiled pilots that the terrific speeds, pressures and peril of fighting maneuvers won't make a hospital case out of a girl.

The safety belt feels like an old-fashioned corset around my middle. I am wearing a helmet, goggles, flying pants, sitting on my parachute, and my ears are stuffed with cotton. Now we are two miles high and Converse begins to turn, twist and dive to find how soon the pressure will drive the blood from my eyes and I "black out"—go temporarily blind.

Acres of land whirl around one stubby wing tip like a huge photograph record, ever faster. Stuff fingers of wind jam my shoulders into the seat back. Tiny lights shoot off the horizon.

Since I don't "black out" we go into a slow roll as a "breather." The world goes upside down. I hang by my hips on the safety belt. We roll right side up. I clasp my hands, "okay" as Converse looks back and grins. There is a sickening lurch. I choke, trying to draw a breath out of the wind that cuts my face. Converse has almost taken off a wing with a "snap roll." I hit the side of the cockpit and my stomach turns over.

Now we do all the maneuvers of aerial battle. Immelman turns, charnelles, wingovers, stalls, split "r" loops and rolls. At last Converse looks back, wiggles the stick and throws up his hands. That signal means I am to pilot 4500 pounds of fighting plane. I put the ship through its paces, thrilled as I never have been before. It cuts the air like a huge knife.

Then Converse takes over. We go up to 10,000 feet. I want to yell "this is it." Now we will end out if a girl can dive seven miles a minute—and live.

I hold my breath. The engine roars. We dive for a huge circle in the airport's sod. The air-speed needle hits 313, 325. Now it is at the last figure, 373. But we are really going 410, since gravity equals air resistance. That means ten miles short of seven miles a minute. But there is no feeling of speed. I could knit if the wind wasn't so icy. The ground flies up at us.

I lunge myself for the expected pull-out. But not enough. An irresistible force drives my head into my spine. My legs collapse under me. My back bores into me. I try to shout but my cheeks are drawn so tightly that I can't open my mouth.

At seventy miles an hour we float in to a landing. Shakily I get out, still in one piece. Everybody is amazed. Maybe I have traveled faster than any other woman.

I have proved, I think, that girls could become combat pilots. But I'm still wondering, "will they want to try it?"



When Anyone Tells Miss Meyer That Woman's Place Is Not at the Controls of a High-Powered Plane, She Smiles—And Very Prettily. Many a Machine Pilot Hasn't Flown as Fast as She Has.

Hollywood's Loveliest Legs?

IN THE FILES of every Hollywood Casting Director are dozens of names and pictures of girls with unusually shapely legs who are constantly on tap for movie roles.

Some stars can play a great variety of leading parts because their legs are just as beautiful. Columns and columns of type and miles of photographic plates have been used to publicize and glorify Marlene Dietrich's lower extremities as particularly fine examples of how the feminine limb should look at its best.

Directors, and particularly dancing directors, are not deceived in their quest for a pretty leg. The applicant may have a pretty face whose subtle flaws were erased with artistic make-up. But no amount of improvement on Nature can do anything with a leg that had the wrong start in life. Lovely underpinnings are no respecters of personages either, for Hollywood's best may be found on the humblest "extra" girl. But if they are, she won't remain unused for long. The beauty judges see to that.

After looking over 1,000 photographs for the possums this year of Hollywood's Best Pair of Legs, Physical Culture Foundation selected Miss Virginia Gilmore. "The two revealing poses prove that the judges were quite competent. In the same event,

Miss Dietrich placed fourth.

A former department store clerk, Miss Gilmore is now headed for movie stardom under the aegis of one of Hollywood's most famous producers.

The selection and crowning of this rising young muse tells the world at large that the strong and athletic feminine leg is not tops in Hollywood. In fact, the men who direct the film classics want no Amazonian bulging muscles in their dramas of America. They like legs that are long, slender, graceful and nicely sprung. Legs, say these authorities, should not be athletic but aesthetic.

When Miss Gilmore was awarded the winner, there was no dissatisfaction with the judges' decision, for everyone felt they had chosen wisely and well.

Poising exercises such as Miss Gilmore is doing in the oval picture helped her to win the judicious decision. She is showing the dazzling result in the picture at the right.



Hollywood Probably Has the Greatest Number of Pretty Legs For Square Mile of Any Community in the World—And If the Movie Capital's Experts on Such Pleasant Details Are Right, the Legs Shown Above and at the Left Are the Cream of the Crop. They Are the Property of Miss Virginia Gilmore.



Do Flowers Enjoy and Dislike Music?

NOT long ago a mystic with a salon in Paris was subjected to considerable public ridicule because he made the statement that flowers are as sensitive, in their way, to musical people are.

Hundreds of sarcastic "letters to the editor" flowed in to the offices of French newspapers and magazines. These letters called the mystic a crackpot and a dreamer who had no regard for scientific fact.

It turns out, however, that the man is not nearly so much of a charlatan as he seemed—because actual experiment has shown, again and again, that many flowers are sensitive to music, and react to it in much the same manner that they react to light and heat.

It was that the first verification of the mystic's statement came from florists who were commissioned to decorate theatres and restaurants with flowers from their shops. The florists observed that some flowers in pots and boxes eventually turn their faces toward the music, and that others turn away as though they found the sounds of the orchestra unpleasant.



Some Flowers "Like" Music and Others Turn Away from the Melodic Sounds—but Scientists Doubt That This Indicates That Blossoms Have Any Ability to "Think" About Sound Waves.

This discovery led to other experiments and it was found out that rosebuds placed near an orchestra opened faster than buds of the same species further away from the music. The same thing happened when bouquets of flowers were put at various distances from radio sets.

All this, in the opinion of plant physiologists, does not prove that the

mystic is right in his contention that flowers have the "mentality" and "awareness" to express their like or dislike for symphonic music and swing.

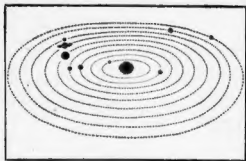
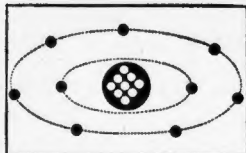
These experts have a more-or-less simple and natural explanation for the phenomenon. They believe it is merely a matter of the effect of sound waves on the living cells of the flower stems. They point out that sunflowers and other plants turn slowly toward the light and that other species of flowers do the opposite and slowly twist their faces toward the shade.

Light waves, these experts say, stimulate flowers so why shouldn't sound waves do the same thing? It is probable that many laboratory experiments will be made to find out more accurately just what effect various kinds of music have upon many species of flowers. These experiments undoubtedly will subject blossoms to many kinds of music played with varying degrees of loudness and of pitch.

The experimenters will carry on their tests far from the constant howling of Paris' famous taxicabs and the steady rumble of the subway.

What Makes a NEW STAR

Professor Haas, Eminent Notre Dame University Physicist, Explains That It Is Not Exploding Suns But Suns That Fall in on Themselves Like a Collapsed Balloon Which Cause the "Supernovae" That Suddenly Flare Out in the Skies and One of Which the Star of Bethlehem May Have Been



Hypothetical Arrangement of the 9 Electrons Around the Center of an Atom of the Element Fluorine; This Center Has 9 Protons, Packed Closely Together, and the 9 Electrons Are Supposed to Move in a Region Around It. In Proportion to the Size of the Center the Distance of the Outermost Electrons is Believed to Be Even Greater Than the Farthest Planet From the Sun, Shown in the Diagram Below.

ONE of the major mysteries of the heavens is the sudden blazing out of a dim star into a huge beacon—or the appearance of such an orb of glory in some place where no star has been seen before. Such a star is called a nova, which means, literally, new, or a new star.

Once in several centuries, in our own galaxy, one of these new stars so far outshines all the others that it is a class by itself—not just a nova but a supernova. But both nova and supernova are garbed in splendor only a little while and then fade drably or disappear.

One theory of what makes these new stars is that they are suns which explode and whose matter is scattered flaming over vast spaces.

But here Professor Arthur E. Haas, world-famous physicist, propounds an entirely different theory. It is that these new stars are made not by a bursting outward but by a collapse inward.

In the atomic readjustment unthinkable quantities of radiation are released and when that is done the star becomes a pigmy but an extremely heavy pigmy.

If a similar catastrophe happened to our earth it would shrink to a tiny globe about one mile in diameter, or about the size of a very small town.

If such a thing should happen to our sun it would shrink from its diameter of 864,100 miles to a scant 100 miles.

Professor Haas' story follows:

By PROFESSOR ARTHUR E. HAAS,
Professor of Physics at the University of Notre Dame.

SUPPOSE a train passenger would call for four porters to carry a little toy trunk for him—say, 3½x2½ inches. His fellow-travelers probably would laugh at him, but amusement would soon become amazement if the joint efforts of all four porters would actually prove insufficient to budge in any way the tiny trunk.

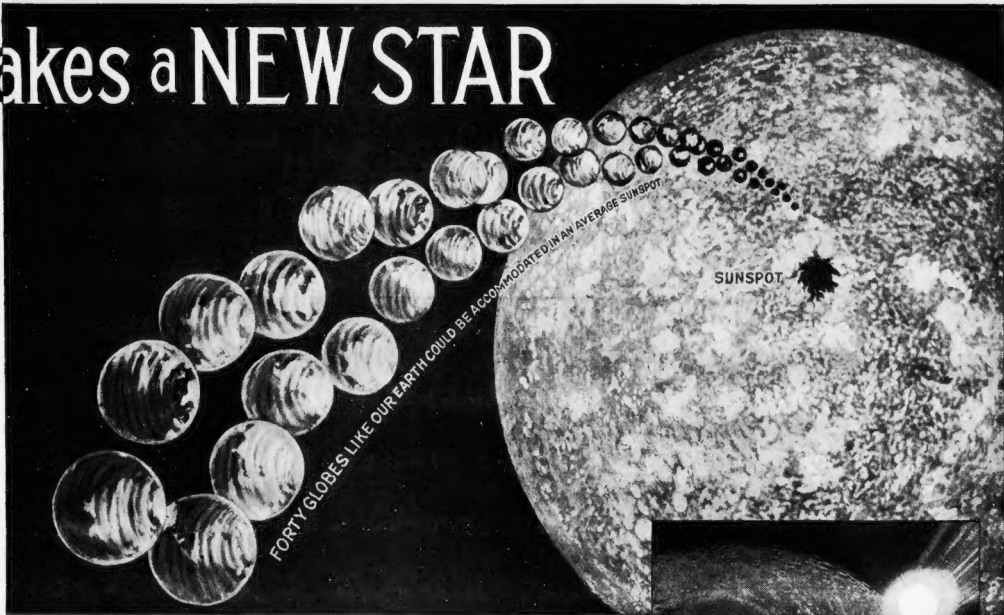
Their dumbfoundedness would probably increase if the queer fellow would then open the box and nothing would be visible inside it except a minute speck of dust, so small a thousand such specks put together would reach only the size of a pinhead.

And yet this speck of dust would prove to have a weight of about a ton.

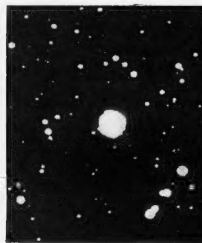
It would, to speak of something apparently quite different, also be a very strange experience for men if our sun would increase its radiation for several months by only a few per cent, and during these months New York and Chicago would enjoy a Florida-like winter climate.

But how would it be if the sun would temporarily increase its radiation not only by a few per cent, but raise it to millions of times its normal intensity?

There would be a catastrophe compared to which a world war would appear like children's harmless play a catastrophe that would, of course, within a very short time exter-



Our Sun Is So Huge That a Sunspot of the Size Shown in the Photograph Would Hold 40 of Our Earths



Three Photographs of Nova Pictoris as It Blazed Up Jan. 1925. The Left Photograph Shows This Star as It Had Been Normally; the Center Photograph Shows the Enormous Outburst of Radiation Observed When, Without Warning, It Collapsed; the Third Photograph Shows the Shrinking Sun Later, on Its Way To Comparative Invisibility.



Don's Drawing of the Star of Bethlehem Being Followed by the Three Wise Men—This Star Is Believed by Many Astronomers to Be One of the "Supernovae."

nate not only mankind and all his creations, but the whole earth itself.

We would vainly search in chemical laboratories or in museums for a piece of a substance as dense as the speck of dust weighing a ton; and the probability that the sun's radiation would suddenly become millions of times stronger is fortunately so small that the thought of such a possibility need not spoil anyone's sleep.

But, unbelievable and fantastic as these two assumptions may appear to the layman, both things—that is—the occurrence of matter of such an enormous density and the sudden immense increase in the radiation of a star, have not only been observed, but a causal connection has even been established between the two phenomena.

The appearances of new stars in the skies

are, of course, explained by the fact that a star too remote to be ordinarily seen by the naked eye might temporarily attain such visibility by an enormous increase of its radiation.

A recent Chinese, Persian, and Greek scientist has already made careful records of observations of new stars, one of which was probably the celebrated Star of Bethlehem.

As early as 134 B. C. the appearance of a new star in the constellation Scorpio is said to have induced the great Greek astronomer Hipparchus to compile the first star catalogue. He decided to measure exactly the positions so that in times to come astronomers should be able to recognize a new star as such.

It is interesting to note that the star of Hipparchus was also recorded by Chinese astronomers of that time who scarcely had

any contact with their Greek colleague.

In the ninth century, Arabian astronomers studied a bright new star which likewise appeared in the constellation, Scorpio, and disappeared after four months. In a famous Chinese encyclopedia which was written about 1300 a considerable number of stars are already recorded.

The most famous recorded appearance of a new star occurred in the year 1572.

On November 11th of that year the leading astronomer of the time, Tycho Brahe, a Dane, perceived in the constellation of Cassiopeia a very bright star which he had never noticed before. It surpassed in brightness, the first time of its visibility, all fixed stars and even the planet Venus, and could easily be seen in the daytime.

So much was Tycho impressed by the appearance of this new star in the supposedly unchangeable firmament that he called it the greatest of all the wonders which had taken place in Nature since the beginning of the world.

A few weeks after its discovery the star of 1572 began gradually to become weaker until in March, 1574, it disappeared forever, because it was then no longer visible to the naked eye and telescopes were not yet in use.

Some other new stars were observed during the 17th century, among them one which for a year surpassed all fixed stars in brightness.

During the 18th century no new stars became visible. Only since the middle of the 19th century have new stars again been observed, some of which were visible to the unaided eye.

Many among the readers of this article will probably still remember a new star, much talked of at the time, which suddenly appeared on June 8th, 1913, and for some time exceeded the bright star Vega in brilliance.

Modern astronomical research, chiefly due to the California astronomers, Baade and Zwicky, led to a clear distinction between two entirely different types of new stars.

The overwhelming majority of the new stars show a maximum brightness which corresponds to 10,000 to 100,000 times the radiation of the sun.

New stars of this type are called novae, in the restricted sense of the word. They attain this enormous brilliancy within a few days but lose the largest part of it again in a few days, and usually within a few months return to their original degree of brightness.

The second and rarer type is represented by the so-called supernovae of which about twenty have so far been observed.

For several weeks they emit a radiation which millions of times surpasses that of the sun. In 1937, for example, two supernovae, the radiations of which proved to be 500 million times as strong as that of the sun, were discovered at enormous distances.

Among the stars the outburst of a nova is a very rare phenomenon but a still rarer one is the appearance of a supernova.

We know today that in the immense star system, called the galaxy, to which our sun belongs as one among some 100,000 million members, there appear only some twenty novae each year.

If we consider the outburst of a nova as some kind of star-diecast, it would be comparable, as far as the recurrence is concerned, to some human disease so rare that an average of only one human being would be afflicted every second year; for the number of stars in the galaxy is some fifty times greater than the total number of human beings on the earth.

The phenomenon of supernovae is still about one hundred times rarer.

In the whole galaxy, only once in several centuries a supernova appears.

It is, however, clear at once why nova and supernovae were observed even before the telescope was invented; the explanation is simply that in the extremely rare abnormal state a star emits immensely more light than in its ordinary state.

The enormous brightness of the supernovae is, however, not the only property of theirs which has puzzled astronomers and physicists in the highest degree.

In the last few years a second sensational peculiarity of the supernovae was established, first by Dr. Zwicky on theoretical grounds and then by the observations of the California astrophysicist, Minkowski, who discovered a change in the color of the light rays emitted by the supernovae.

Certain blue light rays which are emitted by supernovae as well as by other astronomical objects, show in the case of supernovae a noticeable shift towards the red; that is, if we think of the well-known sequence of the rainbow colors red, orange, yellow, green, blue, indigo, violet, the color of the blue rays just mentioned appeared slightly changed in the direction towards the red.

Minkowski has also found that, one year after the outburst, the amount of this shift is approximately the same for all investigated supernovae, about one per cent of the total distance between red and violet.

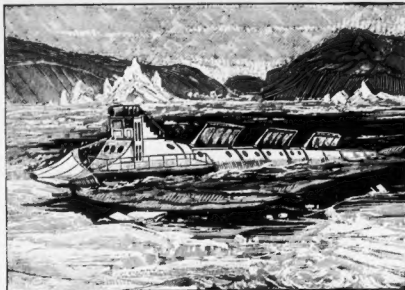
Modern physical theories have shown how the strange findings of Minkowski are to be interpreted.

The observed shift must be a consequence of the fact that light rays in leaving a star must overcome a gravitational attraction exerted by the star and must do so in a similar manner as a projectile fired from the earth to the moon would have to overcome the attraction of the earth.

As it follows from the theory, the degree of the shift depends not only on the mass of the star but essentially on its radius. Therefore, the measurements of the shifts, in connection with other astronomical data, made it possible to determine the radii of the supernovae some time after their outburst.

The results were more than sensational; it was found that the supernovae while still emitting a weak radiation have radii of not more than about fifty miles and hence a

(Continued on Page 19)

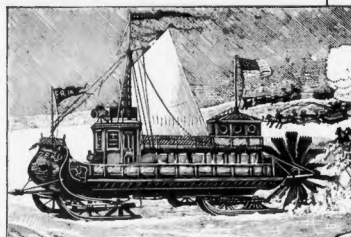


Frank Reade's Electric Submarine in Which the Author Had Him Explore the Arctic Under the Ice. Only a Few Years Ago Sir Robert Wilkins Did That in a Modern Submarine Which Strangely Resembled the Fictional One.

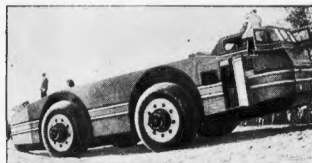
"Frank Reade Jr." Dreamed 'Em—and They Came True



Frank Reade's "Prairie Privateer," an Imaginary Vehicle Conceived in 1892. Today's Military Tank Is Descended From It.



Courtesy Research Foundation of Armory Institute of Technology. Admiral Byrd's Giant Snow Cruiser Which He Will Use to Explore the South Polar Region May Logically Call the Fantastic "Snow Cruiser" of the Dime Novel Hero.



Louis PHILIP SENARENS, known as the "American Jules Verne," has just died at the age of 76, having lived to see most of his fiction inventions turned into reality. As he lay dying in the King's County Hospital, Brooklyn, the Russian border was using an idea of his in the form of hundreds of tanks in their vain attempt to crush little Finland. But the latest miracle to come to pass was the 35-ton snow cruiser, which Rear Admiral Byrd has taken with him to explore the South Pole.

Nobody was more surprised that these paper monsters took form and substance than their original creator who never took any of his brain-children seriously, which was one of the reasons he hid behind a series of pen-names which ranged all the way from "Captain Howard" to "Noname."

This genius who did not believe in himself began selling his stories at the age of 14 and at 16 was earning \$200 a week which in those days, before everything was plastered with taxes, had a purchasing power of more than \$500 today. Many big business executives at that time were not getting as much.

One of the reasons for hiding his identity from the world was his tender years. Anybody would know better than pay money to read the crazy ideas of a mere schoolboy. He hoped readers would think him a scholarly old man, though no old man could have had the elasticity of mind to jump ahead of his time and land so close to the mark, except Jules Verne himself.

Verne heard of the American author who was following so brilliantly in his footsteps and wrote a letter of encouragement, little suspecting that Mr. Noname was not a struggling young author but was getting rich hand over fist from his writing.

The great French writer who believed in his own ideas, assured the young American that his, too, were sound and some day would be justified in reality.

FRANK READE, JR., AND HIS NEW STEAM MAN, OR, THE YOUNG INVENTOR'S TRIP TO THE FAR WEST. BY "NONAME."

He was not an inventive mechanic but a sort of mechanical prophet. Where the practical dreamer was stopped for lack of so much material, such as the filament for Edison's electric lamp, he so feebly that one could not even read by his 100 yards away.

Mr. Noname received scornful letters but he kept that light on his later models because just about that time it began to appear in reality on ships of the navy.

Jules Verne's most famous vision of the future was his submarine, the "Nautilus" and yet it was under water that Verne made his strangest blunder. When Captain Nemo and his associates stepped out upon the bottom of the ocean in diving suit, supplied with compressed air tanks, remarkably close to the independent suits today that depend on oxygen tanks, they were armed with an absurdity in the form of an air gun.

An air gun, under water, would be, if anything, more useless than a powder gun, because water resistance almost instantly stops any sort of projectile in its tracks. The American "Jules Verne" also went astray, under water, but not so seriously. He imagined that a submerged submarine could guide itself at full speed by its searchlight.

Another reason that Senarens was so bashful about publicly acknowledging his brain-children was that the most popular of them appeared among the thrilling adventures of Frank Reade, Jr., and Jack Wright in the form of dime novels.

The dime novel was eagerly devoured by a large portion of the youthful, male population, to whom ten cents was a lot of money. Most boys would rather walk a couple of

teer," the daddy of the modern tank, because it had appeared on the Monitor during the Civil War and been adopted by the navy of the world. The steam engine was, of course, well-known, and they believed that a steam-driven vehicle could be altered, because this had been demonstrated in the slow-moving steam-roller. Whether the idea would be practical at such terrific speeds as 20 miles an hour was doubtful in many minds until the automobile came into being.

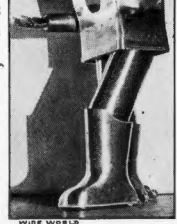
But that searchlight "invented" the reader's intelligence. Such a thing could never be possible, as they thought they knew from Uncle Sam's lighthouses. With the best of priests and lenses, a powerful kerosene lamp was visible for many miles, but the light was so feeble that one could not even read by his 100 yards away.

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Most Spectacular of Frank Reade's Machines Was His Steam Man, a Creation of 1892. Today's Electric and Radio Robots That Walk, Talk and Do Other Tricks Bear a Strange Resemblance to Him.

miles than fritter away a nickel on carfare.

An equally impressive majority of parents, teachers and older editors and better, disapproved of this form of literature. These little books were far from immoral, in fact, virtue triumphed far more satisfactorily in them than in real life. But they certainly did cause a lot of trouble.

Many a mother or father, upon getting to the bottom of a mysterious fire in a son's bed in the middle of the night, found that the boy had tried to read one of the "wicked things" unobserved, by making a tent of the bedclothes and taking the kerosene lamp in with him. Teachers were constantly confecting the novels during the study periods when they could be read handily behind the camouflage of a geography. There was good reason to suspect that dime novels were one of the causes for the unwelcome appearance of buttons instead of dimes in the Sunday contribution plate.

In his "greyhound of the air," Senarens seems to have missed the road toward heavier-than-air flying machines, just as did Jules Verne. Both of these prophets imagined a ship supported by a number of vertical propellers and a horizontal one to send it ahead. The American writer added a few small and very rudimentary planes sprouting from the sides of the ship.

The airplane became a practical thing only by full use of the wing-plane principle. Yet many engineers hold that the plane principle is wrong and that flying will never come into its own until the wingless helicopter has been perfected, permitting the ship to rise straight up and come straight down, instead of requiring a long landing field for the purpose as at present. That was the vision of Verne and Senarens.

Supposedly Senarens' most preposterous idea was the iron man, containing a steam engine with pistons which made his jointed, iron legs pull a wagon faster than a race

horse. But present-day robots, such as the one shown on this page, bear a curious resemblance to his steam man.

It was the sight of a steam-driven iron automaton at the Centennial Exhibition in Philadelphia in 1876, which so fired the boy's imagination as to set him on his writing career.

Louis was born in Brooklyn, where his father, a tobacco merchant, had moved from Cuba. For his first story about that iron man, Frank Touney, New York publisher, paid him \$150, laboring under the delusion that he was dealing with an elderly savant who he not want his colleagues to know that he had stooped to anything so frivolous as adventure fiction.

After that there was no stopping Louis, and it wasn't long before he was turning out stories as fast as Touney could publish them. Terrible though the temptation was to keep working this gold mine for all it was worth, he and his parents had the sense to resist it, and though he did not stop writing by any means he took out enough time to complete his education, graduating from St. John's College of Arts and Sciences at the age of 23.

For four years he kept telling stories to the deluded Touney, but finally came the evil day when he could no longer keep from meeting his publisher and revealing the shameful secret of his youth.

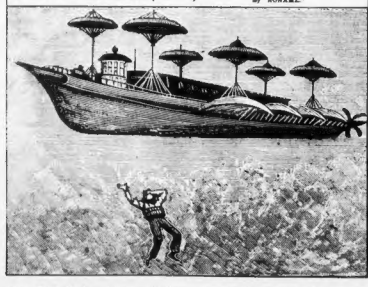
It was forgiven, and at the age of 30 he became editor of the Touney Company. Between 1892 and 1898 he ripped off 186 different titles.

In spite of teachers and parents, the harvest of "misapprehensions" continued to come jingling in until 1910, when they began to be deflected by an invention which he had not foreseen. The movies diverted so many dimes that the dime novel was doomed.

It did not hurt Senarens' fortunes much because he lost little time in transferring his talents to the pulp magazines. In these he continued to make big money until 1923, when failing health finally stopped one of the most prolific verbal machine guns the world had ever known.

In that time he had seen published more than 40,000,000 paid words, 1,500 different titles, many of them of full book-length. He used 27 different pseudonyms, the best-known of which are Captain Howard, Noname, W. J. Earle, Ned Sparling and Kit Clyde. How much he earned in that long and active life has not been estimated by his widow, Mrs. Mary Vaughan Senarens, but it must have been plenty, nor had the amount of his estate been given out yet. It was not his high-pressure mind that finally gave out but his heart.

Frank Reade, Jr., And His Greyhound of the Air, Or, The Search for a Mountain of Gold. BY "NONAME."



Our Ultra Modern Luxury Airlines Use a Different Principle Than This Greyhound of the Air in Which Frank Reade, Jr., Sought a Mountain of Gold. But the American Jules Verne Visioned in This Conception the Comforts of Air Travel, While Favoring the Helicopter Method of Support.



Cleopatra and Caesarion, Her Son by Julius Caesar, Shown on a Temple Sculpture at Penderah, Egypt—the Only Known Authentic Portraits of Either.

The "Love Nest" Caesar Built in Rome for Cleopatra

Archeologists Turn Up the Luxurious and Expensive Villa in Which He Installed the Famed Egyptian Queen, but He Had to Do It Outside the City Because the Moral Roman Matrons Objected to Such Goings-on



Bust of Julius Caesar Made When His Romance With Cleopatra Was at Its Height.

The "Love-Nest" Was Elaborately Decorated with Frescoes of Cupid—the Son of the Goddess, Venus, One of Whose Descendants Julius Caesar Was Supposed to Be—in Poses Similar to the One Above from a Pompeian Villa of the Same Day.

ONE of the most interesting archeological discoveries of recent years is that of the villa in which Julius Caesar kept the immortal Cleopatra in Rome from 48 to 44 B. C. The works of art, frescoes and other objects dug up prove that every American spendthrift was a piker compared to Caesar. Cleopatra herself was fabulously wealthy and it was only by giving her a house of incomparable luxury and beauty that Caesar could show his admiration for her.

Many Americans are probably not aware that Caesar lived with Cleopatra for two years in Rome. He had completed his conquest of Asia Minor and the civilized parts of Africa and made himself master of the Roman world. He had established Cleopatra firmly on the throne of Egypt from which she had been driven by her brother and sister.

At the same time he had become smitten with the glamorous Queen, which was not surprising, as the records say she was the most alluring woman who ever lived. Caesar had always been very susceptible to the charms of women and had shown remarkable generosity to them. He married Cleopatra in Egypt by some strange Oriental ceremony, but this was not regarded in Rome as a legal marriage. This ceremony was blessed by a little son who received the name Caesarion.

When Caesar had settled the affairs of Asia Minor and Africa he returned to Rome to enjoy his position as Dictator or Imperator. He soon sent for Cleopatra and son Caesarion. He established her in a villa situated in his vast gardens, "the transiberini hortus," on the banks of the Tiber, on the opposite side of the river from the Capitol and about a mile from the walls of Rome.

He employed the most famous architects and artists in the world to make her villa delightful. Cleopatra was the representative of Venus in Egypt—she was worshipped under the title Iris-Aphrodite. Venus, according to legend, was born of the sea. Hence the decorations of the villa consisted mostly of episodes in the life of Venus and the wonders of the sea. Caesar was also supposed to be descended from Venus and this fact helped to make them happy.

The imperial splendor in which Caesar maintained Cleopatra caused great indignation among many of the old Roman families. The stern old Roman virtues were by no means extinct, although they were rapidly becoming a thing of the past. The conservative families were shocked that the head of the Roman state should be maintaining an "eastern woman," as they considered Cleopatra, as though she was a Queen.

Cato, the great Stoic philosopher, had just committed suicide because he realized that the days of the Roman republic were over. Cicero wrote that he detested Cleopatra. But Caesar was immensely popular with the lower classes and everything he did suited



Old Print of an Ancient Roman Villa on the Tiber in the Neighborhood of Cleopatra's.

The First Meeting of Cleopatra and Julius Caesar, She Had Herself Brought in to Him, Wrapped Inside a Rug, out of Which She Was Rolled, to Stand Suddenly Before the Conqueror.

them perfectly. Many of them were foreigners and they were pleased to know that their hero was amusing himself with a girl from Africa.

Caesar showed a certain amount of discretion in establishing his love nest. It was not under the eye of the Senators and the priests of the old Roman religion, but a short walk would take one there.

The Emperor had a legal wife, Calpurnia, a lady belonging to one of the best patrician families of Rome. Of course it was an insult to her for Caesar to maintain a woman so near her and in such a conspicuous manner. The insult was aggravated by the reports that Caesar intended to divorce Calpurnia and marry Cleopatra, by Roman rites and make Caesarion heir to the Roman Empire.

Caesar was usually polite and considerate and he spent some part of nearly every day with Calpurnia in their majestic palace on the Capitoline Hill. But he spent all the time he could with Cleopatra in their love nest by the Tiber.

Sometimes in the evening he would say to Calpurnia: "My dear, I think I will take a little air on the hill." That was the last she would see of him until the next day.

Cleopatra's villa, according to the custom of the time, consisted of a series of courtyards with rooms grouped around them. The principal courtyard had a great fountain in the center and around it were the rooms where Caesar and Cleopatra dined and enjoyed themselves. According to all accounts she was wonderfully entertaining.

Caesar and Cleopatra, with such guests as they chose to invite, reclined on couches in one of the rooms and enjoyed all the delights of Roman life without restraint.

No doubt they quaffed large quantities of Chian and Falernian wine, while maidens clad in gossamer played for them on the lyre. But it was Cleopatra who furnished most of

the entertainment for Caesar. She regarded him as her hero, her god, and there was nothing she would not do for him.

The walls of the love nest were covered with frescoes in which gaily decorated boats sailed seas filled with dolphins, octopi and other sea life. With these scenes were mingled episodes from the life of Venus, showing her rising from the sea and receiving the worship of mankind in many parts of the world.

Some remarkable banquets were given here by Caesar for the benefit of Cleopatra and their intimate friends. At these banquets the guests reclined around the tables, three on a couch, leaning on cushions with the left arm and feeding themselves with the fingers of the right hand.

They could have just as well sat at the tables in chairs, for they had very fine ones, but they preferred not to do so. The secret of this ancient practice seems to be that when reclining they were in less danger of falling heavily on the floor and could take a nap if so inclined.

When the guests were tired of feasting they could step out into the courtyard and could themselves or take a dip in the pool.

The great courtyard was called the tritium.

The dining rooms were called the triclinia. Beyond them were the two alleys or wings, where an aristocratic master kept the statues or masks of his ancestors. The life of Venus and the sea was continued in the decoration of these sacred regions.

There were also the private apartments where Caesar and Cleopatra could retire. Beyond these apartments was the peristyle, a garden court like the small cloister of a monastery, pillared around the sides and

open in the middle. Beautiful flowers grew here in abundance, while the dolphins and octopi and mermaids gambled on the walls.

There was a magnificent equipment of baths with hot and cold water always flowing. The coloring of the walls was very brilliant and could not have been surpassed in this respect by any modern art. The walls were glazed and washable, a conveniently hygienic form of construction.

There was a temple of Venus, or Isis-Aphrodite, where Cleopatra could enjoy the worship to which she had been accustomed, served by her own priests.

Romans of glassware and pottery lamps were found with figures of the Goddess of Fortune and her symbolic cornucopia. Living around the villa were many of the foreign inhabitants of Rome, consisting largely of Egyptians, Greeks and Syrians. Among these Caesar no doubt thought that Cleopatra would feel more at home.

Caesar devised many wonderful pageants for the entertainment of Cleopatra. Among these may be counted the "triumph" which he organized in celebration of his victories. It was indeed customary for Roman conquerors to hold such triumphs, but Caesar



Curiously Modern Wall Decoration of Colored Tiles from Pompeii: The Cleopatra Villa Has Many Examples Well Preserved.

Mythological Subjects Such as This of a Nymph and Centaur from Herculaneum Adorned the "Love Nest."

added some little touches to this one for Cleopatra's benefit.

The triumph was held in August and lasted four days. Upon the first day Caesar passed through the streets of Rome in the role of conqueror of Gaul. When darkness had fallen, he ascended the Capitol by torchlight, forty elephants carrying numerous torchbearers to right and left of his chariot.

The unfortunate Gallic leader and hero, Vercingetorix, who had been held prisoner for six miserable years, was executed at the conclusion of this impressive parade—a act of cold-blooded cruelty to a brave foe who had surrendered to Caesar to save his countrymen from further punishment. However, executions were a customary feature of a triumph.

Upon the second day the conquest of the Dictator's Egyptian enemies was celebrated, and Cleopatra's sister, the Princess Arsinoe, was led through the streets in chains together with Ganymedes, her faithful lieutenant and harem-guardian. He was executed at the conclusion of the triumph while Arsinoe was spared as a compliment to Cleopatra's royal house.

As Arsinoe had tried to dethrone Cleopatra and would probably have executed her if she had succeeded, it is not surprising that Caesar's little friend derived pleasure from the sight of her sister's degradation.

In this procession a statue representing the famous old Nile, or Father Nile, and a model of the Pharos of Alexandria, one of the seven wonders of the world, reminded the populace of the importance of the country now under Roman protection.

African animals straggled to Rome, such as the giraffe and the bongo, were led along in the procession, and other wonders from Egypt and Africa were displayed.

On the third day the conquest of Pontus was represented, and a large tablet bearing the famous words, "Veni, Vidi, Vici" painted upon it was carried before the conqueror.

Finally on the fourth day the victories in North Africa were celebrated. In this last procession grave offense was given to the conservative Roman element, when it was seen vulgar caricatures of the philosopher Cato and other of Caesar's personal enemies were displayed.

Towards the end of September in the same year, Caesar paid a still more wonderful compliment to Cleopatra. He consecrated a magnificent temple in honor of Venus Genetrix, his divine ancestress. There, in the splendor of his marble sanctuary, he placed a statue of Cleopatra, which had been executed by the Greek sculptor, Archelaidas.

"The significance of this act has been overlooked by modern historians," says Dr. Weigall, late Inspector General of Egyptian Antiquities. "In placing in this shrine of Venus, at the time of its inauguration, a figure of the Queen of Egypt, who in her own country, was the representative of Isis—

(Continued on Page 20)



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Poor Cupid Has Been Kicked About Like a Football Ever Since He Brought Baba and Bob Together. His Worst Trouble Is Keeping Them That Way. But They're Like Magnetic Mines—They Attract Each Other and Then Explode on Contact.



Always a Title as Well as Trouble in the Family. When Baba Lost Her Status as a Princess, Bob Won a Wrestling Championship, But It Didn't Win Over the Rajah.

THE industrious little Cupid who wrapped the golden chains of love around Princess Baba of Sarawak and Wrestler Bob Gregory, has taken an awful beating ever since he magnetized their hearts. Their hearts are still magnetized, but they behave like German magnetic mines when they come in contact. They are always drifting together, but always there is an explosion when they meet that breaks them in pieces again.

As the not-so-innocent bystander, the media's little God of Love usually gets the worst of it. He has become something of a football, and is being kicked around accordingly.

The Princess Baba of Sarawak is the youngest of three pretty daughters of the World's Only White Rajah. When a few years ago she married Mr. Gregory, the wrestler, she lost her title and her allowance, inspired by love. Wrestler Gregory vowed that he would make both these up to her, but every time he seems on the verge of making her happy both their hearts begin misbehaving like the German magnetic mines—and now after a brief separation there comes word from Sarawak of an impending divorce.

Wrestler Gregory wrestled so well that he earned money enough to replace in his wife's budget the lost allowance. He even won a title, Light Heavyweight Champion of America, something no Englishman ever achieved before. But alas, the title of Mrs. Light Heavyweight Champion did not carry much social prestige.

Bob Gregory's royal father-in-law, Sir Charles Vyner Brooke, Rajah of Sarawak, disapproved of a ringlike life for his daughter. To appease him, the wrestler, after winning the championship crown in his class, announced that he would retire from the mat and become an importer of liquor. This seemed like a highly respectable idea to both Mr. and Mrs. Gregory because some of England's oldest and proudest families are brewers and distillers.

Instead of being delighted when Baba informed her father of the great sacrifice, he is reported to have replied:

"If your husband is going to handle rum, you will doubtless be called 'Princess Baba an Rhum.' It is all right for a desert to be named after a Princess but for a Princess to be named after a desert would be somewhat deplorable."

At newyears, the pair had an even greater scheme to place themselves on such

Princess Baba's Bruised Little Cupid

Maybe He Thought It Was a Good Joke When He Fastened the Golden Fetters on the Rajah of Sarawak's Youngest Daughter and a Wrestler—But Now It Looks as Though the Joke Is All on Him



Princess Pearl, Baba's Sister, Who Married a Band Leader and Managed to Retain Her Title and Parental Favor, Too.

who married Harry Roy, a very popular bandmaster, but a commoner. Unfortunately, nobody with real money seemed eager to finance the island scheme and all sizeable islands are owned by governments which are always painfully conservative about parting with real estate.

Bob blames an error of judgment on his part for the present estrangement from his Princess. With his lovely wife at the ring-side, he had pinned his shoulders to the mat all the way up and down the Pacific Coast. He says they were divinely happy in each other's love, except that once in a while he saw the ex-Princess reading the foreign society news with a wistful look.

Something ought to be done about that look and, as an Englishman, he thought he knew just what was needed.

He had transplanted Baba, whose real name is Valerie, from his English atmosphere and high society friends to a distant and different environment, which naturally caused periods of homesickness. Every year England sends out thousands of men to far corners of the world and when their wives develop those symptoms of nostalgia, the remedy is

to send them all the way back to England for a long visit.

Bob had fallen so in love with the California climate that he felt sure his wife, after a sojourn with excited friends in England, would be only too glad to come back to the simpler American life. And then there was the old adage:

"Absence makes the heart grow fonder."

Strangely enough, the homesick Baba, argued against the idea, with vague pretensions that it was a mistake and when they parted at the railroad station, he says, she was in tears. In his own words, this is what Gregory says happened:

"There was no change in her attitude when she first reached England. I had some wonderful letters declaring her love. In one she said, 'This is terrible. Am I living only for the time when I can get back.'"

"And very soon, she wrote that she was ready to return. She had seen her parents and sisters and that was enough. Her mother looked pained for her and I was very happy because everything was turning out even better than I had hoped."

"When at the last moment Valerie cabled me that she hadn't been able to get ready in time to catch the boat, I was not worried. But she did not take the next one either and a warring note crept into her letters."

"Four times in all she set a date for sailing only to change her mind. Her last word on the subject was that she would really and truly come back provided I would meet her at Southampton."

"It would be worth going all the way to England to get my wife back but I have no assurance that she would not change her mind again, even if I did. One of her last letters informs me that she is now 'having a glorious time.'"

"Of course something has happened, in fact a lot of things. One, I understand, is that her holy-duty friends have condescended to lower their noses, now that I am not around. Another is that Sir Charles restored her allowance but, with the understanding that it would be cut off again, if she should return to me. The last straw was the war. I think she was swept off her feet by the glamour of uniforms and the war fever."

"I went through a miserable few months while she was changing her mind from one week to the next. While she was away I had determined to get on my feet and intended to do so without any help from her family. I wanted to be able to support her in the manner to which she had been accustomed."

I even put down a deposit on a home and she planned to ship her furniture here. I did everything I could to get her back, but the worry and uncertainty of her plans left me in a terrible state. Every place I

looked I saw her picture or something that reminded me of her. I dropped from 180 to 150 pounds in weight in a few weeks. I began losing matches that I should have won. I soon saw that situation couldn't go on.

Then I learned indirectly that Valerie had said she intended to remain in England until after the war. I feel that there is no sense in being married if I can't have a home. I want to stay here and I'm lonely. I couldn't want anything more than to have her with me, but since she doesn't want to return there is nothing I can do but take steps for a divorce.

"It was tough at first, but I am over it now. She can go her way and I'll go mine. I only want her to be happy. I don't intend to sit at home and revivify my thoughts and pine away. I have met some very nice people, very nice, but it will take time to find someone who will come up to Valerie."

I don't want to become entangled in my romances until I have my divorce and that's one reason why I feel I'm only being fair to myself in taking the steps I plan to obtain a legal separation.

In some of her letters, written after the war started, were hints that I should join up. I am a British subject, willing to do my bit, and went to the British Consul here offering my services. I was told that England had all the man-power it wanted at present and that I would be called upon when needed. This I explained to my wife but I think she wants me to be in the service anyhow."

Mr. Gregory now realizes that another old adage, "Out of sight—out of mind," also applies to love, and perhaps with special force, in the case of a handsome, strong man whose physical magnetism cannot work across an ocean and a continent.

Mrs. Valerie Gregory is living in a small London apartment, quite near the home of her more prosperous sister, Mrs. Harry Roy, but in a less fashionable neighborhood. There she gave a correspondent of *The American Weekly* a somewhat different version of the estrangement for which she says there is only one real cause.

"I feel it my duty to remain in England and do what I can to help until the end of the war but my husband insists that I join him in America immediately," she said.

"I expect to be in civilian work for the soldiers at London railway stations in a few days. However, I agreed to return to America with him, if he would come to Southampton and get me."

I guess she ignored the proposition and stopped answering my letters, so that I do not know if he is still in Hollywood or where.

Bewildered Baba—Who Wants to Return to Bob—But Not Until He Goes to England After Her. He Says He Will Get a Divorce, Even Though He Still Loves Her.

"Only from a newspaper source have I heard that he contemplates divorce on the ground of desertion. Another thing I am in ignorance about whether or not he has taken out American citizenship papers. Therefore, I don't know if they would let me join America right now because my legal term of residence in the United States has expired. I hope he will read this and that it will make him write me."

Apparently they still love each other but have achieved an almost perfect state of misunderstanding. He wants her but won't come and get her. She wants him but won't return unless he does. Meanwhile, he pines away, brooding over this unhappy situation, and thinks the only answer is the divorce he says he doesn't want.

There is adventurous blood in the daughters, or the Brooke family would never have become Rajahs. In 1854, Baba's great-grand uncle, Sir James Brooke, the historical Rajah Brooke, put to sea in an armed yacht and thought the wild coast of the big island of Borneo might be a nice place to visit. He found the Rajah Muda Hassan, the devil and the deep blue sea, with headhunters looting him on the land and his coast infested by Malay and Dyak pirates. With his yacht's cannon, Sir James sank the pirates and then the hundreds of his disciplined crew discouraged the national pastime of head-hunting.

For this the Sultan of Brunei made Brooke the Rajah of the province of Sarawak. But in 1857, a host of Chinese junkies took his capital, Kuching, by surprise, London agent Sir James to flee to the jungle for his life. Before the natives got up courage to aid his head to their collection, Sir Charles Johnson Brooke, a nephew, persuaded the Malays and Dyaks that it would be a good idea to help him chase the Chinese out. At Sir James' death, the nephew inherited the dangerous throne. From 1858, it has been a British protectorate, safe from sea marauders.

Nevertheless, a handful of white men had to make half a million savage natives behave themselves and the only way was to set them an example. For this reason the present Rajah, his family and every other white person must at all times exhibit the most Puritanical self-restraint, though every year most of them go back to England "to rest their morals" for a while.

Laughing Girl

By
George F. Worts

THE AMERICAN
WEEKLY
Greatest
Circulation
in the World



This marriage doesn't mean anything, darling. I'll get out of it as soon as I decently can." This is what Peter Storm heard Sandra Page, his bride of a few hours, phoning to another man with assurance of her love after they had arrived at Kingman, Arizona, following startling episodes.

Early in the evening Peter had discovered Sandra rifling his bags in his hotel room at Las Vegas, Nevada, seeking the formula for Legatus, a metal stronger than steel and lighter than aluminum, invaluable for war and industrial uses and worth millions. After threatening Peter with a pistol, Sandra, convinced he didn't have the formula, proposed to work with him. "Whoever gets it first, can have it," she said, "if he can hold onto it."

The formula had vanished when an explosion wrecked the Logan laboratory, killing Hilary Logan, its owner, and presumably killing Simon Ketzler, his assistant. Peter had arranged for royalties to be paid on Legatus by his company, Allied Metals Corporation, but now he was at sea. He accepted Sandra's offer to cooperate though she told him she was Logan's niece and her which he knew was a lie. She attracted and fascinated him though he was aware she'd double cross him at the first chance. What he didn't know was that she had been sent out by Brook Van Pelt, New York lawyer, in love with her, to watch Scott Higgins, alias Prof. John Medkin, commissioned by him to get the formula but whom he didn't trust. The fact that Van Pelt was scheming to sell the process to the highest foreign bidder had been carefully concealed from Sandra. He did not know, nor did Peter and Sandra, that a Count Beretti was on a liner, New York bound, to buy from Higgins the valuable formula.

Motoring Sandra to the explosion scene Peter saw the supposedly dead Ketzler sitting away in the shadows. Then Medkin greeted them and also mysteriously vanished. Peter and Sandra pursued Ketzler, certain he had the formula and had blown up the laboratory to get it. Inquiry revealed that Medkin, too, was on Ketzler's trail. Peter felt Sandra was working with Medkin and resolved to drop her at Kingman. "I'll not lie to you, I'll not double cross you," she cried, but he persisted. However, when held up for speeding he offered Sandra \$10,000 to help him out. She laughed at him. The judge he faced had read of sensational episodes in his life that made him out a rich playboy and told him he would prefer charges against him under the Mann Act, and Sandra too. She was horrified, bitterly denounced Peter and declared the news would crush her father, a minister. A police sergeant suggested marriage as the one way for them to escape unfavorable publicity. In desperation Sandra agreed. The judge thereupon married them and they resumed the

chase only to find Ketzler lying murdered by his car, his belongings ransacked and a watch missing from a chain that Peter recognized as Legatus.

At this point, Peter spied Medkin who shot at and wounded him and fled. Sandra bandaged his wound and they arrived at Kingman convinced Medkin had stolen the watch and that it contained the formula. It was then that Peter, making plans to catch Medkin by plane, overheard Sandra phoning. "Two things interest me very much," he said to her, "the first is I've been right all along. You've been working with Scott Higgins, alias Medkin, the other is you don't tell her to the man you love. Who is this fellow?"

And Now Go On With the Story.

CHAPTER X.

SANDRA faced Peter with a gleam in her eyes when he demanded the name of the man she was in love with. "I won't tell you," she said.

"You're not representing any War Office or anything like it. You were lying about that, too," he accused her.

"I'm afraid," she said wearily, "I'm just an all-round liar."

"Is it a gang?"

"She half-closed her eyes. "Certainly. I'm a moll."

"You're a reporter."

"You are," he said, "the most amazing, the most contradictory girl I ever knew. You're beautiful. You have the sweetest voice I ever heard. You have the air of being the most sincere, most direct person that ever lived. You fairly reek of decency and honesty and the right kind of upbringing. Yet you're as untruthful as a German propagandist... and all the time, damn you, you look as if a West Indian dignitary wouldn't melt in your mouth! How did you get this way?"

Her mouth was demure. "I fell in with the wrong kind of people when I was five."

"What paper are you on?"

"I'm not on any. I've been covered most of the New York papers. I even covered some of the trial of your mistress, Carol Dunbar, for a Brooklyn daily."

Peter said quietly: "Please don't make that mistake again. She is not my mistress. She never was my mistress."

Sandra lifted her hands and waggled her fingers at him. "Please, Storm, please, I'm sorry. But you do get yourself into such awful messes. Just consider how this one will look

Peter, Leaving the Note He Had Written to Sandra, Tiptoeed Out of Her Room Without Waking Her.

In today's papers. Millionaire boy friend of Carol Dunbar, who was acquitted of murdering Max Pendleton, theatrical producer, weds New York newswoman! Glamour Gal Lynne Van Pelt furious over broken engagement to Park Avenue playboy! Threatens reprisal! Grace Thorpe, Reno divorcee, indignantly insists Storm promised to marry her! Newlyweds now involved in desert mystery murder! She looked at him wonderingly. "Storm, how do you do it?"

Peter was careful not to betray the anger he felt. He said, "Please, Mrs. Storm. I try my best not to be conspicuous."

Sandra waved her hand airily. "And you aren't any more conspicuous than a headless body walking along Broadway."

He looked at her a moment, with his head forward, his jaw forward, his fists clenched. She seemed suddenly aware of his menacing attitude. She took a step back and stared.

Then she began to laugh. Not hysterically or with the slightest strain. It was laughter from a gay, free soul. "Storm," she said, "you look like a Roman gladiator. All you need is a lion."

"And you," he said, "would make a wonderful Christian slave if I only had some oil to make a wick of you."

"I'm going to take a shower," she said. "And I'm trusting to your honor that you won't give me grounds for a case of desertion while I'm doing it."

He grinned at her and went into his room. He waited until he heard the soft rustle of the shower. He picked up the telephone and when the desk clerk answered, said: "Put a stop on this phone, also the phone in 203."

The desk clerk said discreetly, "I understand, Mr. Storm."

"Do you?" Peter said. "When word comes from the airport that a plane can get through, don't telephone but send a bellboy to 204 with the message written. The door will be ajar. He is to wait in and give me the message and say nothing. Is that clear?"

"Yes, sir."

Storm is very tired and I don't want her disturbed."

He hung up the phone. The sound of the shower stopped presently. A few minutes later, his wife came out. She came to the doorway of his room. She wore a sapphire-blue terry-cloth bathrobe over white satin pajamas, and sapphire-blue terry-cloth mules with high heels. Her face was fresh and pink from the shower and her eyes were glowing.

"If you use that shower," she said, "watch out for the upper part of the spray. There's

one jet with a diabolical sense of humor. First it shot me in the eye, then it soaked my hair."

He said lazily: "I married you because I knew you'd mother me."

She was gazing at him thoughtfully, with a faint line between her remarkably clear blue eyes. There was laughter all about her mouth, although she wasn't smiling.

"Don't waste any thoughts on me, Storm. I'm not worth it."

He looked at her steadily a moment longer, and said, "Go to the devil."

She seemed surprised, then she laughed softly and said: "In your strange way, you're all right. Good night."

She went into her room. Peter lifted to the bed the two suitcases in which someone at the hotel in Las Vegas had packed his things. He opened them and listened. He heard Sandra getting into bed, and he heard her sigh of content as she stretched out in it.

HE LOOKED out and saw a portion of Kingman over rooftops and a portion of sky pale with dawn. The sandstorm had blown itself out. The air was still. He glanced at his watch. It was 4:45. He felt uneasy. If word did not come from the Boulder airport by six, he would drive to Phoenix and charter a plane there. He did not want to be here when the police decided they wanted to question him about the man in the maroon coupe.

He took one of the suitcases into the bathroom and shaved and showered. He removed the bandage and examined in the mirror, the wound made by Scott Higgins' bullet. It was about four inches long and shallow. It didn't amount to anything. He cleaned it with absorbent cotton soaked in witch hazel. He put on fresh clothing, then went out and waited for the bellboy.

The shower had awakened him, but it had also relaxed him. He wanted to lie down, but he dared not even at dawn. His eyes had a dry, burning feeling, and his bones ached for sleep. He recalled that he had had no dinner. He was past hunger. There was only a great emptiness and a dull demand.

He wanted a cigarette. "When I'm dying, I hope there'll be cigarettes handy."

He picked up the pack on the dresser. It was empty. He looked quickly through his pockets. He looked frantically through his suitcases. He was out of cigarettes. He was tempted to go into the girl's room, but he did not want to waken her.

He went back to the window and watched the coming of the desert morning. He felt groggy. No more. No cigarettes. A nasty new crop of publicity blooming all over the front pages. Possible involvement in a desert murder case. And, asleep in the next room, a girl he was crazy about who, if he came

within ten inches of her, would hit him with the first thing she could lay her hands on.

He looked at his watch. 5:30.

His unhappy thoughts drifted to Lynne Van Pelt. Her sultry dark eyes. Her thin vital figure. Her arrogance. Her selfishness. Her cruelty. Her passionate temper.

What would Lynne do when he reached New York? She might do anything. She was absolutely unpredictable. She had drifted into a relationship there that was hard to understand now. Parties and openings and prizefights and night spots.

But there hadn't been anything definite. There had been no crossing of a definite line. There had even been none of what was once called "an understanding." Lynne had confided him for herself as greedily as she confided anything she wanted.

Except for a tracery of wine-red clouds low on the western horizon, the sky was a clear green-blue which deepened to a soft, rosy egg blue as brightness increased. The first flat clear rays of the sun were fingering the tops of the taller buildings when the bellboy knocked. It was getting close to six.

Peter, with a finger at his lips, let him in and took the slip of yellow paper and the telegram out of his hand.

He read the message: "Mr. Storm: Boulder City airport just phoned. Weather is now all clear to Albuquerque. Plane is leaving at once for Kingman airport and should be there before you are."

He opened the telegram and read: **IS THERE ANY TRUTH IN THIS ABSURD RUMOR THAT YOU HAVE JUST BEEN MARRIED? I REFUSE TO BELIEVE IT. TELEPHONE ME AT ONCE. I ADORE YOU.**

LYNNE.

Peter pointed to his two suitcases and whispered: "Put these in my car. Can you go to the airport with me and drive my car back?"

"Yes, sir."

When the boy had gone with the suitcases, Peter uncapped his fountain pen and wrote a note.

"So long, Sandy. You were sleeping so prettily I didn't have the heart to disturb you."

"Storm."

He tiptoed into the connecting hall and listened. Her breathing was rhythmic. He tiptoed on into her room. She was lying on her back, her head slightly turned. Her face was flushed and faintly moist with sleep. He looked at her tumbled hair with its strong red light on the pillow and at her lashes curving along her cheeks. Her lips were slightly parted. They were still chapped

(Continued on Next Page)

SELECTED FICTION

(Continued from Preceding Page)

from the hot wind of last night.

One of her wrists was lying across her forehead. The palm of her hand was up and the fingers were pink and slightly curled. Her other hand was lying across her breast, rising and falling as she breathed. And each time it rose her silver wedding ring caught a gleam of light.

He turned away and left the note on a table in plain sight, and tipped out. He hung a "Do Not Disturb" sign on the doorknob of her room, went downstairs and paid the bill. He left instructions that his wife was not to be called and went out to his car.

The cabin plane was waiting on the field with its propeller lazily turning when Peter drove up. He should reach Albuquerque by eleven. With three hours to wait for the express, he would go to the best restaurant in town and answer that dull growling with a thick steak, mashed potatoes and something particularly rich and heavy for dessert.

The bellboy was placing his suitcase in the plane when an small black sedan drove onto the field.

A short, thickset, weather-browned man in khaki with a bullet belt about his waist and a revolver in a black holster at his hip got out and came around the tail. He had a long, lipless, turtle mouth and he wore a gold badge on the left pocket of his shirt.

He said: "Mr. Storm, Sheriff Johnston wants to have a little talk with you about a fellow that was found dead beside the road down near Topock last night. When Dr. Whitaker got there he says he saw your car leaving there, going west. We just want to check up on a few things."

"Tell the sheriff," Peter said pleasantly, "that I just left for New York on urgent business. And tell him that if he'll write out the questions and send them to me, I'll answer them fully by airmail."

The fine desert wrinkles about the deputy sheriff's turtle mouth became more pronounced. "I'm sorry, Mr. Storm, but I have a warrant for your arrest."

Peter said quickly: "What charge?"

"Suspicion of murder."

CHAPTER XI

SHERIFF JOHNSTON was waiting for Peter in his office in Kingman, a tall, lanky man of fifty with pale gray eyes and a soft southwestern drawl that resembled the whine of a spent bullet.

He said: "I hate to delay you, Storm. I know you're on your honeymoon and I know how anyone appreciates privacy at such a time, but the fact is you're the only witness we have in this case. And Sheriff Ward, of Las Vegas, is sending over a man to ask some questions about the explosion that killed Dr. Logan."

"Then why did that warrant read 'suspicion of murder'?" Peter asked.

"Technically," the sheriff answered, "you are under suspicion. Where is Mrs. Storm?"

Peter glanced at his watch, which said 7:20.

"I'm sorry, Mr. Storm, but I have a warrant for your arrest."

"What charge?"

"Suspicion of murder."

"Where is Mrs. Storm?"

"Back at the road. She didn't see him, either. She said she heard the shot, then the sound of a car. A blue sedan came charging out into the road and went west."

"Did she see the license plates?"

"No."

"In other words," the sheriff said, "this man in the blue sedan killed Keltzer and stuck around an hour and a half, and when you got there, tried to kill you. What was he doing there all that time?"

"I don't know."

"Where was Mrs. Storm?"

"Back at the road. She didn't see him, either. She said she heard the shot, then the sound of a car. A blue sedan came charging out into the road and went west."

"Did she see the license plates?"

"No."

"In other words," the sheriff said, "this man in the blue sedan killed Keltzer and stuck around an hour and a half, and when you got there, tried to kill you. What was he doing there all that time?"

cloud over the moon, and a sandstorm was blowing up.

"Supposing you tell me just what happened."

Peter complied, selecting his words with care. He knew that desert sheriffs, in dealing with desert murders, are the best detectives in the world, because their methods are those of the stalking lion.

He said that he had gone to the Three Tree Ranch last night to investigate the explosion, that he had seen a man who resembled Dr. Logan's assistant, Simon Keltzer, furtively climb into a maroon coupe and drive off.

"We were pretty close behind him as far as Sulphide. We were delayed there an hour and a half getting married."

Peter shrugged. "Naturally, I don't know."

"He lost out on the upholstery," Sheriff Johnston went on, "and he practically tore Keltzer's clothes off his body. He was looking for something." His idea wasn't revenge, and it wasn't money, because we found a billfold of Keltzer's full of money. What do you suppose he was looking for?"

"I wondered about that, too," Peter said, "but I was much more curious about the man himself. He evidently followed Keltzer out of the ranch before I did."

The sheriff nodded. "Yes. The maroon coupe, the blue sedan and your convertible were seen a few minutes apart by a highway patrol officer in Las Vegas and a Federal inspector at the Boulder Dam station. A motor-car here said the coupe and the sedan went through a couple of minutes apart, and that you followed an hour and a half later. Apparently the only person who saw the man in the blue sedan was the Federal inspector at Boulder. He says he was a red-headed man dressed in white."

Peter wondered if the sheriff was lying. He decided that he wasn't, and felt tremendously relieved. He tried to recall his conversation with the inspector. He was sure he had said pale gray shirt and white pants and that there had been no reference to the color of Scott Higgin's hair, which was brass-blond.

"It wasn't the man I thought it was," Peter said. "The man I had in mind had red hair."

"Who was the man you had in mind?"

"I was a little suspicious of the ranch foreman and a cowboy there. But the foreman has light brown hair and the cowboy is dark."

The sheriff looked up at him. He had been drawing designs of circles on a sheet of paper. "Where did you go when you left Keltzer dead beside the road?"

"Mrs. Storm drove toward Needles. I was almost unconscious. We parked off the road a while just this side of Topock, then the sandstorm came up and we decided to come back here."

The sheriff looked at him speculatively, and said, "Did you by any chance happen to meet

a man at the ranch named Medkin?"

Peter said, with control: "Yes. A big blond fellow. A mammologist. He was there studying desert rodents."

"He has disappeared," the sheriff said. Peter raised his eyebrows. "I wonder," he said, "if you might be interested in saving a human life. I wonder if I might have a cup of coffee."

The sheriff said, "Haven't you had breakfast?"

"I haven't," Peter said gravely. "I've eaten since yesterday noon."

The sheriff said vigorously: "We'll let the taxpayers blow you to breakfast. What would you like?"

"Ham and eggs and toast and coffee," Peter said. He wasn't really hungry. The sheriff's relentless questioning had taken away his appetite. But he wanted a moment to think.

The sheriff went out and left him alone.

PETER thought: "I've got to out-think him. I've got to be out of this office by ten o'clock. And there's something that will get me out if I can remember what it was."

Sheriff Johnston returned with three telegraphic envelopes in his hand. He said: "Breakfast will be along in a moment," and gave the telegrams to Peter. "These were sent over from the hotel. There are some reporters outside, and I understand there's a plane load of them flying up from Los Angeles. We'll have them in later. Suppose you fill up your chair and we'll talk while you eat."

The sheriff, Peter realized, was on something of a spot. The newspapers were interested in this case. And his political career might very well depend on his handling of it.

Peter moved the chair to the desk and opened the telegrams. The first was from the

president of Allied Metal. "I'm sorry, Mr. Storm, but I have a warrant for your arrest—Suspicion of Murder."

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WHAT'S THIS ALL ABOUT? PHONE ME AT ONCE!

The other telegram was from New York. PLEASE COMMUNICATE WITH ME IMMEDIATELY ON ARRIVAL NEW YORK URGENT.

WHY HAVEN'T YOU PHONED? WHY DID YOU HAVE YOUR ROOM PHONE STOPPED? HAVE BEEN TRYING FRANTICALLY TO REACH YOU. ALL THE MORNING PAPER SAY YOU AND SANDRA PAGE ARE MARRIED. ITS TOO TERRIBLY FANTASTIC FOR ME TO BELIEVE. SHE IS CRAZY MAD ABOUT MY BROTHER. I MUST SEE YOU AT ONCE. DARING. SHALL I FLY OUT? WHISKEY OR FRUIT INSTANTLY. LYNN.

Peter folded the telegram and put them in his coat pocket. He knew that Lynn was given to exaggerations, but it was quite possible that the man Sandra had phoned last night was Brook Van Pelt, and if that were true, then the mystery, or a portion of it, had been cleared up and replaced with another quite as formidable.

If Brook Van Pelt was the man with whom Sandra was in love, then he must be the man for whom she was working. And if that were true, how had Brook Van Pelt learned about Logan? Of secondary importance but of equal interest was Brook Van Pelt's activity in the party last night. Brook Van Pelt was a corporation lawyer, and a very successful one.

How, Peter wanted to know, had Van Pelt learned about the existence of Logan? He

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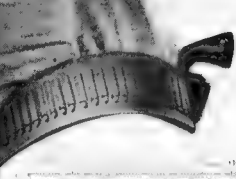
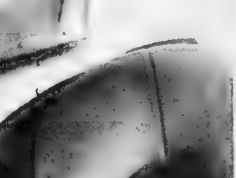
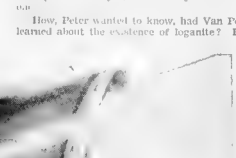
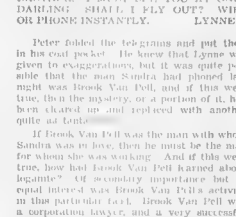
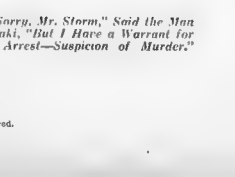
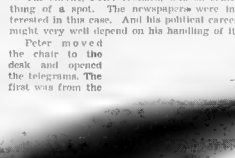
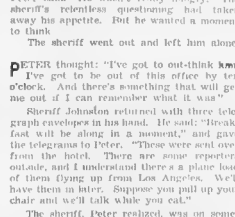
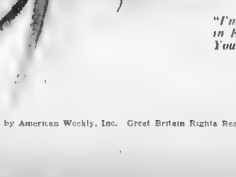
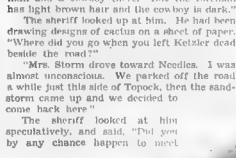
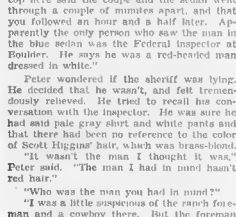
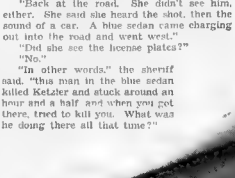
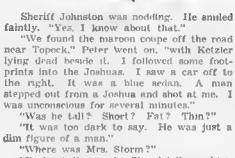
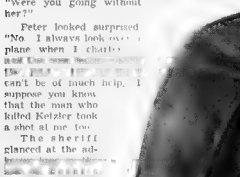
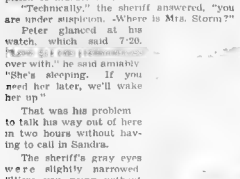
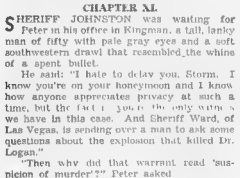
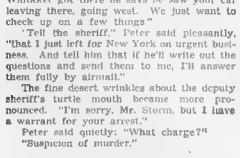
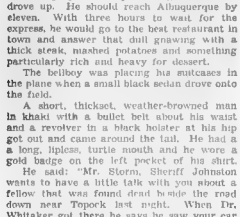
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Captain John Rackham in White Shirt—The Two Women Pirates, Anne Bonny and Mary Read, Fought—I am an Old Fool.



On the Treasure Trail of the Wicked Old Pirates

THE AMERICAN WEEK-
LY offers today the third of a remarkable series of articles bringing out a number of little known and hitherto unpublished facts about the old pirates and their hidden treasures.

They are written by Harold T. Wilkins, English explorer who is a world-famous authority upon this subject, and who has spent a large part of his life in investigating and searching for the bloodstained but glorious loot of the Gentlemen of the Jolly Roger.

Mr. Wilkins has his plans made for an expedition next year to seek unknown treasure at the best known of all American pirates, Captain K-11.

CHAPTER III.

*Fifteen men on the dead man's chest—
Yo-ho-ho and a bottle of rum!
Drink and the devil had done for the rest—
Yo-ho-ho and a bottle of rum!
We wrapped 'em all in a main's tight,
With twice ten turns of a hawser's bight,
And we heaved 'em over and out of sight—
With a yo-heave-ho!*

*And a fare-you-well!
And a sudden plunge
In the sullen swell
Ten fathoms deep on the road to hell—
Yo-ho-ho and a bottle of rum!*

By HAROLD T. WILKINS,
Explorer and Treasure Seeker.

I AM GOING to digress for a moment from the search for pirate treasure to relate in a fashion never before told, the histories of the two most famous women pirates—Mary Read and Anne Bonny.

Their lives were interwoven with the wicked life of Captain John Rackham, better known as "Calico Jack," who was one of the most successful of the Brotherhood of the Jolly Roger, whose treasure still lies buried on various islands of the Caribbean, and the clue to at least one of these I have and intend to seek out.

When Calico Jack was captured off Negril Island, convicted and sentenced to death on Gallows Point in old Port Royal in Jamaica, there were discovered among his crew two women dressed as men.

And when they were dressed in woman's garb and properly cleaned and brushed, they were very attractive women indeed.

In the court proceedings against Captain Rackham, historic documents which I have read in Kingston, Jamaica, where old Port Royal used to be before an earthquake destroyed this modern Seiden and Gomorrah, there is this notation:

"he (Rackham) fell accidentally into disrepute with Mary Read, whom he, taking for a young man, asked her what pleasure she could have in being concerned in such enterprises, where her life was continually in danger by fire and sword; and not only so, but she must be sure of dying an ignominious death, if she should be taken alive. She answered, that as to hanging, she thought it no great hardship, for were it not for that, every cowardly fellow would turn pirate, and so infest the seas that men of courage must starve; that if it was put to the choice of the pirates, they would not have the punishment less than death, the fear of which kept some dastardly rogues honest. I think many of those who were now cheating the sailors out of their money, and oppressing the poor sailors, who have no money to obtain justice, would then rob at sea, and the ocean would be crowded with rogues like the land, and no merchant would venture out; so that the trade in a little time would not be worth following."

Mary Read was born in the country near London. Her father was married young to a man "who was the best of his kind," who, going on a voyage soon after their marriage, left her with child, a boy. The husband never returned. Nevertheless the mother soon proved with child again.

In order to come, her embarrassment she left her husband's people with her child, the boy, and went to the country where shortly afterwards the boy died. But Providence, in return, was pleased to give her a girl in his room, of which she was safely delivered in her retreat, and this was our Mary Read.

The mother remained in hiding until her money was gone, then, learning that her missing husband's mother was wealthy, decided to visit her, and in order to provide for her child, she passed Mary off as a boy. The old woman wished to take the child and bring it up but the mother, fearing that her deception would be discovered, pretended it would break her heart to part with little Johnny.

So mother and child lived happily together on the old woman's bounty until she died. Then, she

thought proper to let her daughter into the secret of her birth, "to induce her to conceal her sex." Becoming reduced in circumstances she was forced to put her daughter out as "footboy" to a French lady.

Mary was now thirteen, and restless. So she ran away and entered herself aboard a man-of-war where she served for some time, then deserted; went over to Flanders and carried arms in a regiment of Foot as a cadet. A cadet was a volunteer who served, with or without pay, with the chance of obtaining a commission if proven of military ability. However, though she behaved with gallantry she could not obtain a commission, so she enlisted in a regiment of Horse.

She is reported to have conducted herself with extreme bravery in the war against the French, was promoted and regarded by her officers as one of the best soldiers they had ever seen. But her tentative thought differently. He was a handsome young Fleming and regarded a sudden change of behavior in his comrade with some alarm. The dashing English trooper began to neglect his horse, his accoutrements, and sit about their little tent staring at his companion and sighing with great melancholy.

"What aimes, Engländer?" demanded the Fleming, one evening.

Mary sighed heavily and batted her eyes. "Nothing, da—friend," she murmured. "Well, I wish y'd stop staring like a mare w' the colic," snapped the young soldier. "All the squadron thinks ye mad."

"Aye," she whispered heavily. "Mad, perhaps." But when the Fleming was ordered on vedette and his companion insisted on sharing the dangerous outpost with him, he was thoroughly annoyed.

"Sithee, Engländer," he growled one evening, as they entered back to camp. "Stand clear o' me. Th'at's not my shadow!"

"But who's to protect thee, my l—friend?"

"What? Why, my sword arm and th' brown mare. Who d'ye think?"

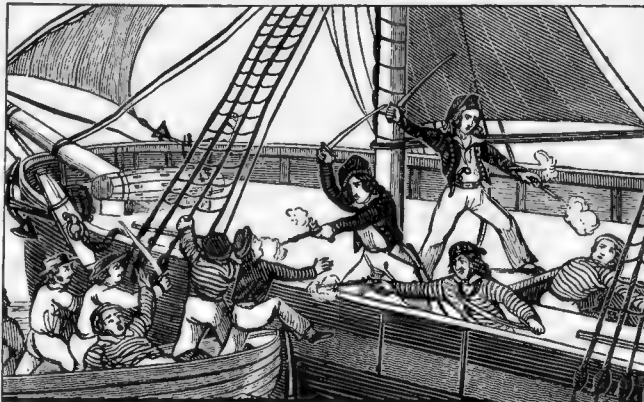
In a very bad temper he off harassed and rolled into his blankets. He was dozing off and moodily watching his peculiar tentmate.

Suddenly his eyes opened wide. The half-clad figure opposite possessed curves that did not belong on a mess trooper.

"Hey!" he whispered.

Mary turned shyly.

"Yes, my dear, I'm a woman, forced by my love for you to reveal my secret."



Wood Engraving of 1780 Captions—"The Horse (and) of Mary Read and Anne Bonny," Which Shows the Two Women Pirates Meeting an Attack Upon Rackham's Sinister Boat.



Interesting Old Engraving Made in 1770 and Supposed to Be an Actual Portrait of Anne Bonny, Who Was the Most Colorful of the Women Pirates.

The trooper remembered her little kindnesses, tendernesses he had rejected disgustedly, and the courageous insistence of Mary to accompany him on the most dangerous patrols. He was touched.

"I love thee, too," he told her. "Thou hast taught me to fear from me."

They served through the campaign together and he never disclosed her secret, and when the regiment moved into Winter quarters the two troopers pressed themselves before their commanding officer and requested permission to marry.

The regiment was in an uproar. The officers howled with laughter at the situation. Then they remembered the girl's bravery and all turned up for the wedding, lining the walk with their drawn sabres and afterward presented the pair with enough to set them up in housekeeping.

They obtained their discharge and opened an ordinary inn called the Three Horseshoes, near Breda.

Again Mary enlisted, as a man, in a regiment of Foot in Holland, but there being no chance of preferment, deserted and shipped aboard a vessel bound for the West Indies.

On the way they were taken and plundered by Vane, the notorious pirate who introduced the "pleasure camps" in South Carolina, and Mary being the only "Englishman" aboard was permitted to join the pirates. For some months she sailed under Vane, plundering, capturing and slaying until they heard of the King's Act of Grace. They promptly took the Act and lived quietly ashore for some months.



Engraving by the Same Artist of Mary Read, Anne Bonny's Companion, Made at the Same Time After Their Arrest in Jamaica.

Then, hearing that Captain Woods Rogers was fitting out privateers against the Spaniards a number of them sailed for Providence in the Bahamas to join. Among them was John Rackham, one time quartermaster of Vane, and he conspired with some of his mates to take their ship and set up as pirates again.

Their ship taken they sailed off for the Main, plundering a few small craft and murdering their crews. But there was a young man aboard—a handsome fellow, very friendly with Rackham, now better known as "Calico Jack," who shared quarters with him. This fellow took quite a fancy to Mary. In every action this man fought beside her in the thickest of the battle.

One night they were cruising quietly south. The moon was a yellow globe above the misty stars dripped like diamonds from the limitless sky.

The lookout called the glasses and Mary, tiring of rum drinking, sought her cabin. There was a sound at the door and the dim lantern outlined the bright features of the young pirate.

"How now, mate," whispered the young man. "It's hot above, I'll stay with thee for a spell."

"Nay, I like to be alone," Mary muttered. "Don't be cruel," laughed the pirate.

With a cry Mary sat up and regarded a smiling woman!

"Yes, my love," murmured her companion. "I'm a maid, but thy manly beauty has won me. I'm thine."

"B-but, I'm a maid, too," quavered Mary. The other woman stared open mouthed.

"Damme!" she swore. "A woman. What be doing on this ship o' dogs?"

"I've a mind to earn gold and settle down."

"Then, there's a pair of us," she gasped. "What'll Rackham say. He hates thee, knowing that I cast sheep's eyes at thee."

Heave Ho! and Down to the Spanish Main With Explorer Wilkins to Join the Search for Pieces-of-Eight, Bars of Gold, Sparkling Jewels and All the Long-Buried Booty of the Jolly Roger's Black Brotherhood—and Here Are Tales of the World's Most Famous Buccaneers Never Told Before



The Historic Duel Scene Between Mary and Thomas Quick, When She Fought for the Life of a Lover. This Drawing Shows Anne Bonny Looking on. (Picture by the Famous English Artist, F. Matania.)



Crude Old Woodcut of the Early Eighteenth Century Showing the Artist's Conception of the Same Duel Which Matania Has So Much More Picturesquely Painted.

"Oh, please don't tell him." Suddenly the two girls clutched each other in a gasping silence. "Out! Come out, ye sea louse," came Rackham's roar. "Ye, too, Anne Bonny. Ye thought I'd not see ye follow that punk-faced young hound. Let me in 'till I cut his throat!" There was another resounding crash, the door flew open, and Rackham staggered in, his great cutlass and a pistol cocked and ready. "One side, Anne Bonny," he roared. "I'll tend thee after I've split the heart of this one." With a flash of white legs, Anne darted across the floor and Mary, wide-eyed on the furious pirate, made a grab for her sword, hanging beside her. Rackham staggered backward, his cutlass dropped, his bearded mouth hung down like a trapezoid. "Now, what the devil's this?" he muttered, woman and a woman.

"I knew it all the time," said Anne, quickly. "I'm in to comfort the poor thing. But, John Rackham, his blue eyes flashed in the lantern light, and he saw that comforting her and I'll open thee a fig."

"Nay, nay," he mumbled, still staring. "One side, Anne Bonny." "Remember it," snapped Anne. "And keep the secret, John." "I will that," he said. "But I don't like it. 'Men means trouble in a ship.' 'Aye, women does,' said Anne sweetly. "But thy's a man, and as long as ye remember there's one woman aboard, there'll be no trouble. Now it with thee an let the poor maid sleep."

For days Mary waited uneasily but Rackham kept her secret and watched with admiration while she fought as well as any three men when boarding a ship. She would engage him in the parley and a gallant fight. They were first along the beach and into an enemy craft. The first to take the enemy colors and first to slash off the heads of those who were shy of joining them.

But Dan Cupid was not finished with Mary and. It was the habit of freebooters to take carpenters, coopers, sailmakers from the ships they plundered and use them on their own pirate craft. It happened that such a man was taken aboard the London ship, Kingston. He was a carpenter, young and handsome and of good family, and Mary quite at her heart to him. She would engage him in conversation at night, coming upon him leaning over the rail staring sadly into the darkness.

"Thart said," she observed.

"Why not?" he muttered. "To be taken from honest work into damned piracy."

"Aye, I know," she sighed. "I was captured, too, on his back. But one day I'll escape and get back to land."

The sad young man was surprised and delighted to find an apparent pirate so sympathetic.

"Tell ye what," she proposed. "Be my messmate and strict companion. Perchance we can find some way to escape these wretches."

Then, to quote the old History of Pirates: "When she found he had a friendship for her, she suffered the discovery to be made."

It was not long before the astonished carpenter admitted a tender regard and she in her turn protected him in every way from danger. But their friendship did not pass without comment from the others. There was a foul-mouthed scoundrel, Thomas Quick, who had much to say about the friendship between the carpenter and Mary. But the carpenter stroled up to his tormentor and stretched him on the deck.

"His! To quarters!" warned the others, for fighting on shipboard among themselves is forbidden under pain of death, according to pirate law. Quick, vengeful brute, was waiting until they landed to career on a small uninhabited island and there challenge the carpenter to combat.

"Cutlass and pistol, my bucko!" he jeered. "We'll see what thy liver looks like."

Mary heard the challenge.

"But, my love, he'll kill thee," she whispered. Quick was by way of being a good shot and Mary knew it. Several times while they were nearing the island she almost betrayed herself by anxious tears. She knew Quick would kill her lover. Something must be done.

She stole below to where the young man was moodily working.

"We'll be in soon, my love," she said.

"Yon Quick is drinking and shaking in weapons. Sleep, my dear, and rest to give thee strength for the fight."

"Aye, I'll rest."

"I'll stay with thee, sweeting, and pray for thee."

She sat beside the young man until he fell into uneasy slumber. Then, her rouse chin set firmly, went on deck. Quick was beside the mainmast, swinging his cutlass in imitation of a French fence master. He grinned as she approached.

"How's thy friend?" he jeered. "Didst know he'll be carried by night?"

"What's thy plan,

dog?" inquired Mary. "Wilt ambush from behind a rock?"

"I'll show thee—" She looked him in the eye.

"Feared, am I?" he roared. "Why, I'll thee and finish 'tother after." Which was just what Mary wanted.

"Good," she said quietly. "We're close in now. Overside withee, I'll fight thee sound as we land."

It was permitted for pirates to settle their differences on shore, and by the punctilio of the duello, pistol and cutlass meant that each fighter had one pistol and his cutlass. They commenced at about a mile and stalked each other creeping closer until one was killed by pistol or cutlass, or both.

Quietly the two slipped overside, Mary watching Quick like a hawk. As the boat touched the sand, she stepped out.

"I'll go five hundred paces east," she said. "Then a hundred inland. Thee do the same. Then we'll walk one to 'tother, and no quarter."

"No quarter 'tis," he growled. "What shall I tell thy friend?"

"If I'm shot in the back while pacing this beach, thou'll tell the company a lot," she said calmly. "If I die facing thee, thou'll have naught to tell."

Calmly she turned her back and made down the beach. When she turned inland, Quick had disappeared. Swiftly she pushed through dwarfed cedar, gorse and cactus until she reached thick cover.

It was hot, the surf boomed nearby and she could hear the voices of men aboard the ship as they warped her to palms on the beach. Gulls

screamed overhead and she moved stealthily forward. Somewhere ahead Quick lurked in the bush, a pistol ready to blow her brains out and a cutlass to ambush her.

Quietly she moved forward parting the tangle with her blade, keeping her pistol up ready for instant use. Once she stopped to listen. She thought she heard a rustling to her right, but it stopped and she moved on. Once she wheeled as a sharp crash echoed close by. She saw the glint of sun on metal and ducked behind a tree.

"Look out, pretty boy," seered Quick.

She crouched, peering through the jungle. She could see nothing. There was another rustle. She jumped and saw a branch fly through the bushes. Quick was throwing them to make her show herself.

Breathing deeply she moved from behind the tree, backing carefully until she could detour to the right. There was deadly silence now intensified by the whine of mosquitoes that blinded her with their venomous stinging flight.

Suddenly she froze. Beside a cedar was a glint of red. Quick had been wearing a red cap. She rose on one knee, loaded the heavy barrel of her pistol and fired. There was a mighty bang, the cap jumped and birds whirled in panic above the trees. Something laughed and she turned a white face. Quick stood twenty yards away. He was bareheaded and his pistol was on an unwavering line with her.

"An old trick," he said softly, stepping daintily forward.

She dropped the useless pistol and faced him.

"Shoot then, dog," she said.

"Patience, pretty boy," he grinned. "I'll come a

(Continued on Page 16)



"DEAD MEN TELL NO TALES"—Howard Pyle's Dramatic Picture of the Fate of Those Who Buried the Treasure.



There is a lot of talk about the "right to life" but not much about the "right to die."



He said, "I believe you," and "He
believed me," he meant that the
man in the blue sedan fired the
shot at you, in that neither you
nor I would be with him.

He was a long, the Joshuas,

SCOTT HIGGINS

Why did you chase Ketzler for you left Sulphide?" the boys demanded.



DR WHITAKER shook Peter's hand and said: "You're the young fellow who got married last night."

Peter said, "Doctor weren't you driving a gray sedan?"

"Yes."

"When you stopped beside the maroon coupe last night, did you

definitely take a razor knife from Sheriff I told all this to you?"

"Yes," Peter said sternly, "that Keizer had been dead an hour."

Sheriff I reset this very much. You've known I

(continued on Page 18)

So keep your complexion lovely! Use
this soap made with Olive Oil!

GIRLS WITH DRY, LIFELESS SKIN JUST DON'T ATTRACT MEN. IT'S THE "SCHOOLGIRL COMPLEXION" THAT WINS! AND THAT, MY SWEET, IS WHY I USE ONLY

MADE WITH **Olive Oil**

TO KEEP SKIN SOFT SMOOTH

[illegible]

TO DULL, DINGY HAIR

Now Radiant Beauty is Yours
with this Glorifying Shampoo that Reveals
UP TO 33% MORE LUSTRE IN YOUR HAIR

to the "newspaper" industry. For the vast majority of people, the "newspaper" is a source of information, entertainment, and a place to read the news. But for a small group of people, the "newspaper" is a source of information, entertainment, and a place to read the news. And for a small group of people, the "newspaper" is a source of information, entertainment, and a place to read the news.

"That's the rub," Peter said. "They're somebody else's sins."

Judge Jeffers stared at him with his lower lip thrust out. "Why," he barked, "didn't you

He keeps running records of such important matters as mortality... the ages and occupations of people insured... the company's experience on outstanding policies. He also assembles data needed

for the preparation of the Annual Statement, which is submitted to the proper state authorities, and forms a public record of the year's activities

► In short, an Actuary might be defined as the "engineer" who helps design the "product" a life insurance company offers and then figures out what the policyholders should reasonably pay for the benefits provided by their contract.

This is November 17 in a series of advance reports designed to give the public a clearer understanding of how a life insurance company works. Copies of preceding advance reports will be mailed upon request.

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N. B. C.—Time 9 30 E. S. T.
8 30 C. S. T.

ACT I *The wrong way!*



A black and white illustration of a woman in a dark dress and white apron, reclining on a chair. She is holding a cigarette in her right hand and resting her head on her left hand. A small table with a glass and a bucket are nearby.

ACT II *The RIGHT way! (IT'S THE EASY WAY, TOO!)*



They do, don't they, even if it's sleeping? Institutes do, too, and millions of American housewives use GLO Coat and swear by it! Many users write us that it makes linoleum last 6 times longer than when not treated.



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Hardware, Grocery,
Variety, Drug, Paint
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JOHNSON'S

Self Polishing

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NO RUBBING! NO BUFFING!

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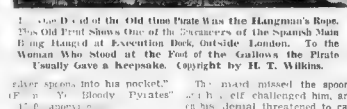
MADE BY THE MAKERS

[illegible]

enter first line, b
Mary chi' He stared at
as I told you
She carried out a tree b
g per examined you per col

[illegible]

Her sentence was postponed
but she said she had come
from the city of the
future.



"As women seldom forgive injuries of this kind, she thought of discharging her revenge on the maid. In order to do this she leaves the spoons where she found them, and orders the maid to put clean sheets on the bed, telling her she decided to lie there herself that night, because her mother-in-law was to lie in her bed, and that she (the maid) must lie in another part of the house. The maid in making the bed was surprised at the sight of the spoons, but therefore takes them up, puts them in her trunk, intending to leave them in some place where they might be found by chance.

10

plied
"You may give me the head
clothes whiter



SCORES OF DOCTORS

"In my practice my hands get in a fairly bad shape. I find Vicksal Ointment makes my hands feel better and makes results more certain."
 — Dr. J. H. Smith, New York

"My hands are worn and cracked. I find Vicksal Ointment makes my hands feel better and makes results more certain."
 — Dr. J. H. Smith, New York

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NEXT WASHDAY

WOMAN: I'VE GOT A FEW NEW SOAPS OUT THERE - A LOT LIKE THIS ONE.

GIRL: I'VE GOT A FEW NEW TOYS OUT THERE - A LOT LIKE THIS ONE.

WOMAN: I'VE GOT A FEW NEW TOYS OUT THERE - A LOT LIKE THIS ONE.

GIRL: I'VE GOT A FEW NEW SOAPS OUT THERE - A LOT LIKE THIS ONE.

WOMAN: I'VE GOT A FEW NEW SOAPS OUT THERE - A LOT LIKE THIS ONE.

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WOMAN: I'VE GOT A FEW NEW TOYS OUT THERE - A LOT LIKE THIS ONE.

GIRL: I'VE GOT A FEW NEW SOAPS OUT THERE - A LOT LIKE THIS ONE.

"I'M THE NEW 'TOP-SPEED' RINSO"

— I CONTAIN A "PUSH-ROCKET" FOR CLOTHES LOOSE LESS THAN 10 A DAY — AND I'M EASY ON HANDS.

Rinso
FOR THE DREAMER
BUSTLING

series of verses written by French troubadour, Chrétien de Troyes, in the 12th century who may possibly have known about Arthur and his knights from ancient Latin histories of Britain.

Since Malory's time many writers have used the legends and retold them in their own language. The English authors, Tennyson, Swinburne, Matthew Arnold, William Morris have rendered several of the old stories in verse, and noteworthy are Wagner's magnificent music-dramas and the modern legends of the Holy Grail and "The Idols" perhaps the most famous love story of all time. To this company of distinguished interpreters of the legends is now added John Erskine, who retells the story delightfully for readers of *American Weekly*.

DO YOU KNOW that The American Weekly prints more Scriptural stories in a year than all the other non-sectarian magazines combined?

Friend! (It relieves pain by removing pressure. Special formula (D) acts on corn, gently loosens it so it can be lifted right out.)

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due to
COLDS**

use
MENTHOLATUM

It's never so easy to get relief from a cold as with Mentholum. The menthol in Mentholum soothes the inflamed membrane of the nose, relieves the congestion, and keeps the nostrils open. It's the only remedy that relieves the cold without any harmful side effects. Mentholum is available in all drug stores. Buy a box today and get relief from your cold.

**Now Many Wear
FALSE TEETH**

With Little Worry

Just the least bit of worry without fear of pain or discomfort. The new False Teeth are made of a special material that is comfortable to wear and does not irritate the gums. They are also made to look like natural teeth. The new False Teeth are available in all drug stores. Buy a box today and get relief from your cold.

**WHAT TO
TELL YOUR
DAUGHTER**

My dear daughter, I am writing you this letter to tell you some things that I think you should know. First, I want you to know that I love you very much. Second, I want you to know that you are a very beautiful girl. Third, I want you to know that you are a very smart girl. Fourth, I want you to know that you are a very kind girl. Fifth, I want you to know that you are a very brave girl. Sixth, I want you to know that you are a very strong girl. Seventh, I want you to know that you are a very gentle girl. Eighth, I want you to know that you are a very sweet girl. Ninth, I want you to know that you are a very good girl. Tenth, I want you to know that you are a very happy girl. I love you very much, and I am proud of you.

**FOR GRAY, WHITE
OR BLONDE HAIR**

Sayman's Vegetable
Wonder Soap

No danger of discoloring or streaking. Sayman's soap, containing "shampoo" soda cleanser hair and scalp perfectly, helps bring out the natural luster. Made from natural vegetable oils and pure vegetable oil. At your dealer's.

FALSE TEETH

KLUTCH holds them tighter. KLUTCH forms a coat of thin, silk dental plates. It's better and stronger than any other and holds your teeth in place. It's also very comfortable to wear. KLUTCH is available in all drug stores. Buy a box today and get relief from your cold.

**ROUGH, CHAPPED
SKIN SOOTHED
AND SMOOTHED**

Resinol Ointment is first aid for smothering, dry skin discomfort due to chapping. Because it is only, it's a time-tested medication that soothes the irritated surface, giving quick relief and aiding nature's healing. Get a jar from your drugstore today.

**Are Your Cakes
Fluffier?**

Do you have some special way of baking a particular kind of cake that makes it tastier and downright delicious? THE AMERICAN WEEKLY will pay \$5 for each recipe sent in by readers and used in the "Housewife's Food Almanac"—the unusual feature on the second from the last page of this and every issue. Read the easy-to-follow rules on that page. It may lead to the easiest \$5 you ever earned.

WHEN THE BUCCANEERS ROAMED THE SEAS

(Continued from Page 16)

became the mother of Anne Bonny.

The attorney's mother tried her best to convince him to save her, but he refused. Just before her death she made a will leaving all her property to her daughter-in-law and her two children.

By this time the attorney had run away with the girl and her baby daughter, whom he loved dearly. But in order to disguise the matter from his wife he dressed young Anne in breeches and passed her off as a relation's child he was to breed up to be his clerk.

His wife heard of it and learning the truth, refused to continue an allowance she was permitting her husband. So, having lost his name and practice he left Ireland for the Carolinas with the maid and his child and lived in Charleston.

Some years later his Mary died and he brought up Anne as his daughter. By now he was in good circumstances and Anne, eighteen tall and graceful as a tree with black hair and eyes put in with a smutty finger, frolicsome but with a blustering tone, was regarded as a mighty good catch.

Her father, working hard to marry her off to a rich planter, was horrified when Anne ran away and married a handsome sailor. He became so provoked that he turned her out of doors and the sailor, a pardoned pirate named Bonny, took her to Providence where he expected to make good money privateering.

Anne soon tired of the moderate life of marriage; Bonny had not much money and around her were dancing, roving fellows on the Grand Account with rich laces and money to burn. One of these was Captain John Rackham, known as Calico Jack for his fighting costume of calico shirt and breeches. But when he was a figure to turn any girl's head, all blue velvet coat, a laced hat and red silk stockings. Diamond rings blazed on his hairy fingers, and the buckles on his shoes were studded with pearls. He quickly spotted the bright-eyed Anne and lost no time in paying court to her.

"Why don't we join the Account, like Calico Jack, and bring me fine velvet and lace?" she demanded peevishly of Bonny.

"Because I'm an honest man," answered her husband. "And if I catch thee running round the shrouns of that strappado, I'll tan thy pretty skin."

Not while Calico Jack's sword's on his thigh," she jeered and went out, curly head high to drink with her new companion.

Rackham refused to sail while he still had money, and Anne. There is a story that she proposed to her husband that he should hand her over to Rackham in return for a sum of money, said bargain to be properly signed before a notary. But the Governor heard of the matter and summoned her before him. Bravely she admitted it.

"I love Jack," she asserted. "Bonny's no good. I'll live with Jack and be happy."

"If I hear more of this," the Governor threatened, "I'll commit you both to prison. You'll be stripped and publicly whipped, and your precious Calico Jack shall do the whipping. How now, wench?"

She promised to be good but plotted with Rackham to run away.

There was a fast sloop on the island belonging to one John Haman. Anne discovered that only two men slept aboard at night and Haman was always ashore. So one night, Rackham and eight lusty pirates rowed out to the sloop and crept aboard. Anne, a drawn sword in one hand and a pistol in the other, crept below and awakened the two men.

"One word, and I'll blow out thy brains!" she threatened. Quietly Rackham and the others heaved in the cables and the little craft (she was only forty tons) drifted past the fort and gunboats.

was to give to Rackham, by which she was to be made free. Him, Rackham refused, and in format the Criminal.

I was to be married, Anne cried. Now I want to be free. So, she said to him, I will give you a letter to the Governor. If you will let me go, I will give you a letter to the Governor.

They sailed on, and Anne, with her sword and pistol, crept aboard the sloop and awakened the two men.

"One word, and I'll blow out thy brains!" she threatened. Quietly Rackham and the others heaved in the cables and the little craft (she was only forty tons) drifted past the fort and gunboats.

Sloop ahoy!" came a hail. "Damnation!" swore Rackham. "Tell 'em the cable's parted," whispered Anne.

"We're drifting," bellowed Rackham. "All we got's a ground aboard. We'll drift clear and sail back."

They set a small sail and, reaching the harbor without all sail and scudded before the wind for the south. The two men were brought on deck and invited to join. They refused and were put in a boat to find their way back to shore.

"Now we'll find Turney," said Anne.

Turney was one whom Anne had asked to witness the writing which James Bonny, her husband,

the three times that took as for his wife. Every here the sloop went. Anne followed, twisting, spinning, giving his presents until Rackham gripped her waist for one night.

I never, ever, he started. Anne, seeing too much of that puppy, took her sword and a pistol.

Why, Jack, come, come. If you don't like me, I'll leave you. I'll be the worst beauty in every town.

That's nothing. I'll be the best beauty in every town. I'll be the best beauty in every town. I'll be the best beauty in every town.

It was during that time that they stepped and passed a West Indian man. There was one Black Indian sailor.

Well, said he, I've decided. Anne, seeing with appreciation the flash of his sword, also drew his sword and the two of the sailor.

When I see a man, I'll be the best beauty in every town. I'll be the best beauty in every town. I'll be the best beauty in every town.

He was a fine fellow, a West Indian man. There was one Black Indian sailor.

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Well, said he, I've decided. Anne, seeing with appreciation the flash of his sword, also drew his sword and the two of the sailor.

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The next week were again for the pirate. Every here the sloop went. Anne followed, twisting, spinning, giving his presents until Rackham gripped her waist for one night.

I never, ever, he started. Anne, seeing too much of that puppy, took her sword and a pistol.

Why, Jack, come, come. If you don't like me, I'll leave you. I'll be the worst beauty in every town.

That's nothing. I'll be the best beauty in every town. I'll be the best beauty in every town. I'll be the best beauty in every town.

It was during that time that they stepped and passed a West Indian man. There was one Black Indian sailor.

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Got a Cold?

Want to know how to get relief from a cold? Try KOOL. KOOL is a new, powerful, and effective remedy for colds, coughs, and sore throats. It's the only remedy that relieves the cold without any harmful side effects. KOOL is available in all drug stores. Buy a box today and get relief from your cold.

THE REAL DOINGS of real life characters—actual names of people and places—are given in the true stories printed in this and other issues of The American Weekly. That is why this magazine is different from other publications—more interesting.

WARM THEIR HEARTS
—and their tummies
with this easy breakfast drink



START THE DAY THE HAPPY WAY... WITH HOT NESTLE'S

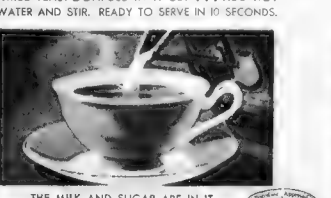
Creamy, rich cocoa for breakfast! Remember how you loved it? Wonderful chocolate flavor, steaming hot to ward off chills on cold mornings.

Now your children can enjoy it with far less trouble for you! Hot Nestle's takes only ten seconds to make! Here's all you have to do: simply put three teaspoonfuls in a cup, add hot water and stir. Instantly you have rich, delicious cocoa with the creamy chocolate flavor that has

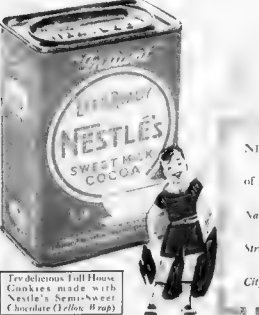
made Nestle's chocolate bars so popular.

Nestle's EverReady Cocoa is a remarkable combination of three ingredients... choice cocoa, sugar and pure whole milk... blended and already cooked for you. No messy hard-to-wash pans! No disagreeable "skin" on top!

Naturally, a HOT drink is a better way to start the day. And, in HOT Nestle's you have a ten-second breakfast drink that costs no more per cup than ordinary cocoa!



THE MILK AND SUGAR ARE IN IT.



MOTHER, PLEASE MAIL THIS COUPON FOR US

NESTLE'S, 62 HUDSON ST., N.Y.C.

Please send me—FREE—a 2-cup sample of Nestle's EverReady Cocoa.

Name _____
Street _____
City _____ State _____



Delicious Full House Cookies made with Nestle's Semi-Sweet Chocolate (Yellow Wrap)

WHAT MAKES THE NEW STARS THAT SUDDENLY APPEAR IN THE SKIES

(Continued from Page 5)

where the greater than, for instance, the area of the State of Pennsylvania.

Some 2500 years ago a profound and ingenious philosopher of the ancient Greeks made the seemingly very naive statement that the sun had approximately the size of the southern part of Greece.

In the 18th or 19th century nobody doubted that, like the sun, all fixed stars must be much larger than the earth; but, strange as it seems, the estimate of the ancient philosopher appears today no longer as an under-estimate as far as supernovae are concerned.

Thus, in a relatively very small sphere a mass approximately

equal to the average mass of a fixed star is concentrated, a mass several hundred thousand times greater than that of the earth. The explosion of a supernova thus proves to be actually a complete collapse of a star. If our earth would have to suffer such a collapse, it would become reduced to a sphere of a radius of only half a mile and a surface not greater than the area of a small town.

The consequence of such a collapse would necessarily be the development of enormous quantities of heat and hence a gigantic radiation of heat and light. For it is well known that any object dropped from considerable height is warmed up if its motion is stopped.

For the same reason we should

expect an enormous increase in temperature if the earth would contract from its actual size to that of a sphere of a diameter of only a mile.

The effect would be even more gigantic in the case of the sun whose mass is much larger than that of the earth.

In such a case the sun would shrink to a sphere of less than one hundred miles in diameter. A gigantic "periphery" of such a sun could be placed in one of the largest of the cosmic cities on the moon. It must be imagined, however, that if the shrinkage itself would be placed in the center the immense attraction exerted by so gigantic a mass over relatively small distances would cause an instantaneous breakdown of the entire body of the sun.

There is thus obviously a close causal connection between the enormous brilliance of the supernovae and their smallness after the collapse.

What may cause such a collapse is a question which scientists cannot yet answer at the present time, but the hypothetical phenomenon of the stellar col-

lapse is probably related to a fact which was discovered as early as 1911 and on which modern atomic physics is based.

It is the fact that the masses of atoms are heavily concentrated in a small nucleus. The diameter of a nucleus is about 100,000 times smaller than that of the atom itself.

Atoms are electrically neutral, but their charges are compensated by opposite charges of electrons which are distributed in a cloud around the nucleus.

If atoms would collapse on a large scale in such a way that their electrons would plunge into the nuclei and unite with them, and thus some power would be liberated, the collapse would be a very rapid one. It would actually cause a part of the sun to collapse and thus cause a supernova whose brilliance at the climax approached many million times that of the sun.

It might also be mentioned, in passing, that besides the collapse, supernovae astronomers know still another kind of stars of

these stars, called novae, which are also the result of the same process, but on a smaller scale. They are also called "new stars" because they appear to have suddenly appeared in the sky. They are not new stars, but old stars which have suddenly become visible to us because of the same process.

The collapse of a star is a very rapid process. It is estimated that it takes only a few minutes for a star to collapse. This is a very short time compared to the billions of years that a star may live.

It is interesting to note that the collapse of a star is a process which is still not fully understood. Scientists are still working on this problem and hope to find out more about it in the future.

Make Children's Laundry CLOROX-CLEAN for added health protection!

When it's CLOROX-CLEAN it's disinfected!

AMERICA'S FAVORITE BLEACH AND HOUSEHOLD DISINFECTANT

CLOROX

WHOLESALE DEPARTMENT

BLEACHES, DEODORIZES, DISINFECTS, REMOVES NUMEROUS STAINS. Even Scorch and Mildew

THIS, as other issues of THE AMERICAN WEEKLY, is read by one out of every five families in the United States.

PROTECTIVE cleanliness is especially important for children's laundry. And it's easy to get this type of cleanliness with Clorox. For Clorox gently bleaches white cottons and linens, snow-white brightens fast colors, removes numerous stains, deodorizes, disinfects... is helpful especially in cleaning rubber sheets, panes, Clorox also provides protective cleanliness in a kitchen bathroom... has many important personal uses. Simply follow directions on the label.

CLOROX

The American Weekly Patterns



Pattern 3113 AN OLD-FASHIONED CAMISOLE-TYPE SLIP WITH A STRICTLY 1940 SILHOUETTE. THE LOW-NECKED, BACK-WESTING AND THE BACK SKIRT FULLNESS ARE THE SEASON STYLE NOTES. 1-1/2 and for misses' and women's sizes 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42. Slip 16 requires 2 1/2 yards stretch fabric.

Pattern 3122 REMINISCE FOR DAINTY STYLE IS THIS YOUTHFUL, FRESH WITH ITS NOVEL YOKES AND RADIATING PARTS BELOW. BUT TONES AND A RIBBON SASH MAKE GAY TRIM. Designed for misses' and women's sizes 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42. Slip 16 requires 2 1/2 yards stretch fabric.

Pattern 3087—THIS TRIM TWO-PIECE "GOES-TO-TOWN" SMARTLY NOTE THE BACK VIEW. THE JACKET HAS A BUSTLE-EFFECT AND A JAUNTY BOW. Designed for misses' and women's sizes 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42. Slip 16 requires 2 1/2 yards stretch fabric.

Pattern 3121 THERE'S LITTLE WORK TO THIS RITZ STITCHERY AND CROCHETED FINING SO LOVELY ON SKIRT AND PILLOW CASES OR A SCARF. Pattern 3121 contains a transfer pattern of a motif 20" x 28", inches 2 motifs 14" x 22", inches; directions for lace; illustrations of stitch materials required, color schemes. **PRICE OF PATTERNS 15c EACH.**

THE ONE TOUCH POWDER DEODORANT

Sprays dusts away armpit odor and checks sloppy perspiration. Safe after shaving. Safe for clothes. Comforting on sanitary napkins. Also a Scented Cream Deodorant. If you prefer, Costs little. Try spray today.

FOR CHEST COLDS, RASHES, THROATITIS

QUICK... RUB ON SUPER MEDICATED PENETRO LEFT GET IN ITS GOOD WORK. KILLS—RELIEVES IT CONTAINS 12 TIMES MORE MEDICATION THAN ANY OTHER. NAME SOLD NATIONALLY FOR CROUP, MUSCULAR ACRES AND NASAL MISERIES. USE SUPER-MEDICATED **PENETRO**

ONE WOMAN TELLS ANOTHER! YOU CAN HELP WIN BACK YOUR NATURAL LOVELINESS

Smart women care for their skin with reliable Cuticura Soap and Ointment. Cuticura Ointment helps heal and clear up externally caused blemishes... Mildly medicated Cuticura Soap soothes and cleanses. Give yourself the benefits of regular Cuticura care. Buy BOTH Cuticura Soap and Ointment today! All drug counters. For FREE sample write Cuticura, Dept. 31, Malden, Mass.

You'll like Parkay... because... IT TASTES SO GOOD!

"It tastes swell spread on biscuits and bread!"

"It's a wonderful flavor shortening for baking!"

"It sure makes pan fried foods taste better!"

Hot Biscuits make a perfect test for Parkay. The heat brings out the delicious Parkay flavor that's so good on bread and toast. As a seasoning Parkay makes hot cooked foods melt in your mouth. Try it on baked potatoes, vegetables and broiled meats.

Cakes, pies and cookies taste better when made with a delicious *flavor* shortening—like Parkay. As a cook who takes pride in her baking you'll like the light, fine-textured cakes—the flaky pie crusts, crisp cookies and fluffy muffins that Parkay helps you make.

Because It doesn't spatter or stick to the pan, housewives love to use Parkay for pan-frying eggs, griddle cakes and lean meats. And, of course, Parkay adds that flavor that tasteless bland fats simply do not have. It's delicious—you must try it!

Made by Kraft in a brand new plant—

spic and span as a model kitchen. Parkay is a fine flavored, fine quality margarine for your table. It is produced exclusively by Kraft from wholesome, carefully selected and skillfully blended farm products to which Vitamin A is added.

Its delicate fresh flavor, its pleasing texture, makes Parkay an excellent spread for bread that will delight all the family. Parkay is rich in nourishment—one of the best energy foods you can serve. You'll never know how truly fine it is until you try it.

MADE BY THE MAKERS OF MIRACLE WHIP SALAD DRESSING!

Parkay made by KRAFT

NET WEIGHT ONE POUND

THE DELICIOUS VEGETABLE BLEND MARGARINE

Contains:

units) the growth vitamin so vital to perfect health—especially important to children. (Parkay contains 8000 U. S. P. units per lb.)

all active people burn up lots of energy. Parkay is an excellent source of body energy and helps to create the body heat that keeps you warm on wintry days

GRAFT FOODS COMPANY - GENERAL OFFICES - CHICAGO, ILLINOIS

Pepper Adds pep to Winter Dishes

By Mrs. Christine Frederick,
The Distinguished Authority on Household Efficiency.



HOW many hundreds or thousands of recipes has the cook not read these comments: "Add salt and pepper to taste"—and then stirred, mixed, blended or thickened the mixture as the case might be.

Some recipes call for "a speck of pepper"; others request "a few grains of pepper." But modern culinary usage accepts the wording "add a dash of pepper," and lets it go at that, or else states the amount as "1/4 teaspoon pepper" or "1/2 teaspoon pepper" with exactitude.

As every housewife knows, black pepper and white pepper come from the same pepper plant. Black pepper is the whole berry

picked before it is ripe, whereas white pepper is the center of the same berry after it has been allowed to mature, and after the black outside hull is peeled off to reveal the inner pitted whitish berry center.

And both black and white may be ground at home in a pepper-mill or bought preground in airtight containers. Today, the whole pepper is used most frequently in seasoning meats of the pot-roast type, or to be included in the vinegar or other "marinade" in which meats and fish are left to season. Or, they are major items of the spice bag for curing and pickling all relishes.

Red pepper, however, is a pepper of quite another color. If by

"red pepper" we mean "cayenne pepper," this is the flesh of small red peppers, grown chiefly in Africa, dried, and then ground very fine to a powder.

Cayenne is the hottest number on the pantry shelf, and here "a few grains" or "a dash" are more than sufficient seasoning. Cayenne is largely responsible for the "pep" in such sauces as Worcestershire, and for the "hot" quality of drinks like ginger ale, always capsaicin-flavored.

Chili peppers, also hot stuff, are small elongated pods of a plant grown in Mexico, Japan and California. The scarlet chili pods are seen in Northern markets around the Fall pickling season, but chili powder, made from this pepper, is packed in glass and sold at grocers' all-year-round.

The latter is the "hot" used to give spice to such Mexican favorites as chili con carne, and to dishes in which oysters, cocktail sauce, etc., are featured. It is also considered by the Spanish, and many others, as an outstanding seasoning for breakfast boiled eggs.

A pepper as scarlet as chili, but mild and sweet where chili is pungent, is the familiar paprika, a true sweet red pepper from a plant grown in Hungary as well as in Spain. Paprika has such a mild flavor that it may be used to be more of a coloring or gar-

nish than a true condiment.

However, many characteristic dishes secure their gay red color from lavish use of this pepper, as witness wieners with paprika, or the famed Viennese (Wiener) schnitzel.

Paprika also lends its rich red to color tomato catsups and other tomato condiments, the latest use being to intensify the red of the tomato juice crackers or wafers, so delicious to eat with salads or cocktails. A tasty canape suggestion is mashed cream cheese with celery, and enough paprika blended in to make a deep salmon tone, topped by a stuffed olive.

Any pepper is, after all, a fragrance, or a perfume. Therefore, it should be treated as any perfume essence—that is, never allowed to have its strength dissipated by exposure to air. This means buying pepper at frequent intervals, and keeping it airtight.

Another point is where in the kitchen pepper shakers keep. On the top of the range? If so, this is the worst of all possible locations, because heat will also reduce fragrance and make the pepper (for any use) pack down in a dry, flavorless lump. A good place to keep it is on or above the kitchen preparing table.

Summing up, pepper may be depended on to give true delightful pungency to winter foods.



What they've learned about nerves can help you in your job

HERE'S one job, you'll admit, that takes unusually steady nerves. The knife-thrower just can't miss—and his human target mustn't wince.

So these performers, like most professionals, drink hot coffee daily. Because coffee relieves nervous tension... makes for better coordination between mind and muscle. Helps to relieve fatigue, too, by removing its very cause.

So when you are tense or tired, drink coffee as

they do—for a quick exhilarating pick-up. And if you're like 97 out of 100 people, you'll enjoy your coffee and a good night's sleep too. For this helpful lift lasts only two hours.

Medical authors in accord
TAM AMERICAN COFFEE, NEW YORK CITY

RIGHT or WRONG?

COFFEE SHARPENS THE MIND
Right? ☐ Wrong? ☐
For centuries, the greatest writers and scholars have turned to coffee for inspiration. Because coffee makes the brain "click"... induces clear thinking... enlivens conversation. Check "Right" above.

COFFEE LEAVES A "HANGOVER"

Right? ☐ Wrong? ☐
It is true that coffee is stimulating, but this stimulation lasts only two hours. And, unlike most other stimulants, coffee does not pick you up only to let you down later. Check "Wrong" above.

REMEMBER THIS: To make good coffee, use enough

—a heaping tablespoonful to each cup.



IS THERE A COFFEE FESTIVAL IN YOUR TOWN?
Leading department stores are featuring, during February and March, the latest in coffee-brewing devices and demonstrating the best methods of brewing coffee. You'll find it interesting. DON'T MISS IT!

Published by the Pan American Coffee Producers, both houses (the American public, the international coffee of the world).
BRAZIL • COLOMBIA • CUBA • EL SALVADOR • NICARAGUA • VENEZUELA

Almanack Hints

THIS week The American Weekly Housewife's Food Almanack introduces a new department offering more cash prizes to readers and helping them to save money in their own households. The Almanack has discovered some ingenious methods of economizing around their homes. Perhaps it is an unusual way to use leftovers. Maybe it is a clever way to make a saving in the kitchen. Or, again it may be a timesaving idea for doing housework, or making an inexpensive something do the work of a more expensive something else.

Such ideas are worth sharing with other readers and The Almanack wants to print them—the more the merrier. For each such hint sent in and used in this department we will pay \$1. You may send in as many as you want. Please keep them short and to the point and address: Almanack Hint Editor, 235 East 45th Street, New York.

HERE'S a timely hint from Mrs. C. O. Burritt, East Weymouth, Mass., who will receive a check for \$100 before she even reads this.

SAVED.
When a cake falls, if cooked in an oven heated by oil or gas or electricity immediately increase the heat, say from 400 to 450 degrees, for about three minutes, then return to cooking heat. The added heat overcomes the cold draft and I have never yet found it to fail.

WITH this useful hint Mrs. Wilma Thone, Clyde, Ohio, wins \$6 in prizes. Here is what she writes:

LEFTOVERS.
Mashed turnips, carrots, peas, onions, squash, sweet potatoes, Swiss chard, baked beans and even steamed radishes may be combined with mashed potatoes with excellent results. I find the flavor is more distinct if the vegetables are cooked alone, seasoned and mashed, then thoroughly mixed with the potatoes, then fried.

CHARD.
Lettuce can be made to double for Swiss chard so that no one knows the difference. Wash the lettuce, put it on to cook with water tempered with a little salt. Presto! Pseudo Swiss chard.

CHILI SAUCE.
Try roasting frankfurters until they are browned nicely, put them in a deep dish, cover with chili sauce and heat through. Chili sauce poured over steak or chops and heated through is also "something different."

MUSTARD.
Add a spoonful of mustard to regular fritter batter, roll the frankfurters in it and fry in deep fat. You'd be surprised how far that makes a couple of pounds of frankfurters go when unexpected company arrives.

PATTIES.
Try appetizers in pork instead of with pork. Run an apple, some onion and sage through the chopper with the pork sausages and make patties. Delicious!

RADISHES.
Stew 'em and they won't "disagree" but have a mild turnip taste. We have them creamed quite often with a little onion and celery salt added.

HOW MUCH WHITER CONCENTRATED SUPER SUDS WASHES CLOTHES!



YES, THAT'S WHY IT'S AMERICA'S FASTEST GROWING LAUNDRY SOAP!

GRACIOUS I NEVER SAW A SOAP GIVE SUCH MASSES OF RICH, THICK SUDS!

YES, CONCENTRATED SUPER SUDS IN THE BLUE BOX MAKES A WONDERFUL DIFFERENCE! AND HOW THOSE ACTIVE SUDS SOAK OUT THE DIRT!

WHY, IT'S ALMOST A MIRACLE! THIS SHIRT'S AS WHITE AS NEW AGAIN!

AND CONCENTRATED SUPER SUDS GETS WASHABLE COLORS SO BRIGHT THEY'RE A JOY TO SEE!

Why Concentrated Super Suds Washes Clothes Far Whiter:
Because Concentrated Super Suds in the Blue Box is made with a marvelous new soap ingredient, PYRAX, it gives you far richer suds than any other that quickly whisk out the dirt without scrubbing, and get clothes speedily white! Yet Concentrated Super Suds is so safe for fabrics and colors... kind to hands! Get a box and you'll see why Concentrated Super Suds is America's fastest growing laundry soap!

ARE YOU A GOOD COOK?
Have you found some novel way to pull a meal out of the doldrums with a recipe that adds zest to an ordinary dish?
THE AMERICAN WEEKLY pays \$5 for each recipe selected and used in the "Housewife's Food Almanack"—the unusual feature on the second from the last page of this and every issue. Turn your experience in cookery into profit!



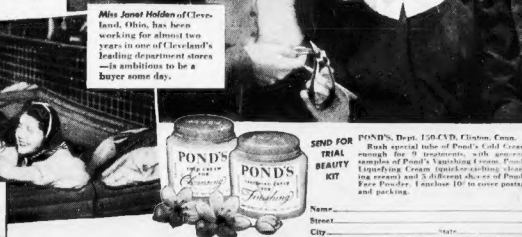
QUESTION TO MISS FISH:
Miss Fish, when do you believe a girl should begin regarding her complexion with regular care?

ANSWER: "The younger the better! I think if you want a nice skin when you're older, you have to take care of it when you're young. That's why I began using Pond's 2 Creams when I reached my teens. Every girl wants a lovely complexion. Using both Pond's Cold Cream and Pond's Vanishing Cream every day helps to keep mine clear."

QUESTION TO MISS FISH:
Would you describe what each Pond's Cream does for your skin, Miss Fish?

ANSWER: "Yes, of course. Every morning and evening I use Pond's Cold Cream to freshen up my face. These regular cleanings help keep my skin looking soft and healthy. Pond's Vanishing Cream serves an entirely different purpose. I use it before powdering to give my skin a soft finish that holds powder smoothly for hours."

BUT BOTH HELP KEEP THEIR SKIN FRESH AND YOUNG LOOKING WITH POND'S



Writing Sales Slip

SEND FOR TRIAL KIT
Name _____
Street _____
City _____
State _____
Zip _____

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WHEN YOU CUT YOURSELF

Be mothers about first aid! Soothe the burning pain of cuts, scrapes and skin irritations with antiseptic and pain reliever. It contains salicylic acid and is safe when used without rubbing or using heat. It helps relieve itching and soothes the skin. Usually relieves a burn. Take 30¢ per 1¢.

UNGUENTINE

RELIEVES PAIN
RELIEVES ITCHING
RELIEVES BURNING
RELIEVES SORENESS

SCIENCE'S newest discoveries are understandably discussed in stimulating articles in this and other issues of *The American Weekly*. They make this great magazine the most informative source for more than 6,500,000 families in America's vast reading public.



TO WOMEN AFRAID TO DYE THEIR OWN HAIR!

FOR YEARS, many women have been afraid to dye their own hair. There have been many reasons—fear of damage, fear that the dye will destroy the hair, fear that the dye will destroy the hair, fear that the dye will destroy the hair. Now, thanks to the new **Gray Hair Coloring Preparation**, you can dye your hair safely and easily. This new preparation is a complete coloring preparation with a non-irritating base that will give you beautiful results. Gradually it transforms gray, bleached or faded hair to the shade you desire. It does it so perfectly that your closest friends won't know you've dyed your hair.

MARY T. GOLDMAN GRAY HAIR COLORING PREPARATION

For sale at all leading drug and department stores

Mary T. Goldman Co., 363 Golden Building, 8 Park Main, Send free kit for color checked. Lock of hair enclosed. Ask of hair not enclosed.

TRY MY CHOCOLATE CRUNCH COOKIES...

CRISPY AS MACAROONS, TASTY WITH NUTS, BROWN SUGAR SWEET CHOCOLATE, SAYS AUNT JENNY



Only Spry gives ALL these 3 EXTRA ADVANTAGES

Purer... stays fresh longer... creams so easily

SPRY REMEMBER SPRY CAKES ARE LIGHTER CAKES

"You know Spry's purer the second you open a can of Spry's 'glamorous whiteness,' says Aunt Jenny. 'You get it's purer when you try an' know no unpleasant smell or smoke. So you expect Spry cakes an' pastry an' fried foods to be extra good-tastin'. An' they an' Get Spry's an' see."

PURER ALL-VEGETABLE

IN ALL AND 3-4 CANS ALSO IN THE BIG 10 LBS. FAMILY SIZE

Spry TRIPLE-CREAMED FOR EASY MIXING

Recipes From Our Menus

Oysters With Spaghetti. Cook 1/2 pound brown spaghetti in plenty of boiling salted water until tender. Drain and rinse with hot water. Scald 1 pint cleaned oysters. Butter a baking dish, put a layer of the cooked and drained spaghetti in the baking dish, then a layer of the oysters. Sprinkle with salt and pepper and repeat until all the oysters and spaghetti are used, leaving the top layer of spaghetti. Scald 1 pint milk and thicken with 2 tablespoons flour blended with 2 tablespoons butter. Season with salt and pepper. Pour over the oysters and spaghetti. Sprinkle with 1 cup fine bread-crumbs mixed with 1/2 cup melted butter. Bake in a very hot oven, or at about 450 degrees, just long enough to brown the crumbs. Serve immediately.

Oyster Stew. Put 1 pint cleaned oysters, 1/2 cup butter and a few grains pepper into a saucepan and simmer gently until oysters curl at the edges. Scald 1 quart milk over hot water. Add oysters and salt to taste. Serve immediately with hot crackers.

Mashed Potatoes au Gratin. Boil 2 1/2 cups potatoes, 1/2 teaspoon salt, a few grains pepper and 2 beaten eggs. Beat well. Mix lightly on a baking dish. Cover with 1/2 cup grated cheese and sprinkle with 1/2 cup buttered bread-crumbs. Bake in a hot oven, or at about 400 degrees, until crumbs are brown.

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Appetizing Menus for the Week by Mary Lee Swann



MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Breakfast Eggs Oranges Cereal Coffee Luncheon Soup Custard Cheese Dinner Dinner Dinner Dinner Dinner Dinner Dinner	Breakfast Tomato Juice Cereal Poached Eggs Toasted Buns Cranberry Milk Coffee Luncheon Spanish Rice Oyster Stew Custard Cheese Dinner Dinner Dinner Dinner Dinner Dinner Dinner	Breakfast Eggs Cereal Goddie Cakes Toasted Buns Cranberry Milk Coffee Luncheon Pasta Chowder Crisp Rice Cold Canned Beef Applesauce Hollandaise Fruit Sausage Lemon Queens Tea Dinner Dinner Dinner Dinner Dinner Dinner Dinner	Breakfast Eggs Cereal Fruit Toasted Buns Cranberry Milk Coffee Luncheon Scalloped Potatoes Chicken-Fried Round Steak Jellied Fruit Sweet Potatoes Applesauce Tea Dinner Dinner Dinner Dinner Dinner Dinner Dinner	Breakfast Eggs Cereal Fruit Toasted Buns Cranberry Milk Coffee Luncheon Scalloped Potatoes Chicken-Fried Round Steak Jellied Fruit Sweet Potatoes Applesauce Tea Dinner Dinner Dinner Dinner Dinner Dinner Dinner	Breakfast Eggs Cereal Fruit Toasted Buns Cranberry Milk Coffee Luncheon Scalloped Potatoes Chicken-Fried Round Steak Jellied Fruit Sweet Potatoes Applesauce Tea Dinner Dinner Dinner Dinner Dinner Dinner Dinner	Breakfast Eggs Cereal Fruit Toasted Buns Cranberry Milk Coffee Luncheon Scalloped Potatoes Chicken-Fried Round Steak Jellied Fruit Sweet Potatoes Applesauce Tea Dinner Dinner Dinner Dinner Dinner Dinner Dinner

Amanack Echoes

Maultashen Soup—In a Free Country

Dear Almanack:
Whenever I read your column I tell myself that some day I will take heart and pass on to you a recipe which has been given to me 27 years ago by an old Bavarian lady. So far I have never found it in any cook book and never have any of my friends or neighbors heard of it but they all like it when I send them a bowl of Maultashen Soup over to sample it. The reason I have waited so long is I am as sure as my life that my writing, of German herbs, although in this good country 18 years on the 18th of December, I am afraid we are disliked by most. Knowing my writing will give me away—I rather keep in the background. I feel, being a German, I ought to apologize to so many, or rather everyone. Well—anyway—I will send you this soup recipe—and wonder how you will like it. It is fine on a cold night served with cold bread—and because it is very filling I just have a good apple pie with steaming hot coffee—for dessert.

A 30c soup bone—with some meat on it—or two pounds soup meat. One cup celery, carrots, tomatoes fresh or canned. 1/2 salt to taste. Wash, put in kettle, pour three quarts of cold water over all—let come to a boil. Stir, and let boil slowly for 2 1/2 hours. Then remove meat or bone from broth. Cut the meat in very small pieces—about 1/2 cups. (You may set the broth on the side until you are ready to serve the meat.) Take one or two cups—one egg will make enough Maultashen for 3. Salt to taste.

Ski Supper
Dear Almanack:
Healthy young people do not stop thinking with the arrival of cold and snow. A good many "little-children" too, still love to be outdoors. Heartier picnic suppers, however, are required for Winter appetites, and something hot is absolutely necessary after a day of skiing or hiking whether supper is eaten in a mountain ski hut or in the week-end cabin at the beach.

This is one of my young people's favorite suppers after a day of skiing on Mt. Ranier.
2 pounds beef cut in small dice
1/2 pound bacon or salt pork, diced
1 cup celery
1 large onion
2 tablespoons flour
1 cup macaroni, cooked
2 cups canned tomatoes
2 cups rice, cooked
Add the celery and onion to the bacon or salt pork cooked in frying pan. Cook until tender. Sear beef. Make gravy with the fat, flour and hot water. Put all ingredients in big baking dish and simmer 30 minutes or longer.
Ski supper heated the second time at the mountain or beach is even better than when first cooked.

CHOCOLATE CRUNCH COOKIES
1 cup salt
1/2 cup brown sugar
1/2 cup granulated sugar
1/2 cup brown sugar, firmly packed
1/2 cup butter, melted
1/2 cup sifted flour
1/2 cup sifted flour
1/2 cup nuts, cut

Combine Spry, salt and vanilla. Add sugar gradually and cream well. Do not work at all with emulsion. Creamy Spry Add egg and beat well. Stir in flour. Add nuts to creamed mixture and mix well. Add chocolate and nuts and the egg. The pure Spry for all baking trying too.

TOASTED ICE CREAM
1 large egg, well beaten
1/2 cup milk or cream
1/2 cup sugar
1 teaspoon vanilla
Mix four ingredients well. Put snow in large bowl, pour egg mixture over it and toss with two forks till a rich yellow color. Serve at once. This recipe can be doubled.

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I WAS ASHAMED TO TELL THEM WHICH CAKE I BAKED!



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Many baking powders seem to have an explosive, uneven action. A greater part of the expansion is delayed until the cake is in the oven, and rising is often over-rapid. It may blow the batter full of large holes. Then the cake will be coarse, dry, crumbly.

Look at these actual photographs of cakes made with, and the difference in results:

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OVER BAKING POWDER ACTION

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THE AMERICAN WEEKLY is the mightiest of magazines.

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2. Exercise moderately. Take a brisk walk each day or a regular amount of your favorite exercise.
3. Enjoy 2 or 3 Ry-Krisp wafers as your bread at each meal. Ry-Krisp has only 20 calories per wafer yet supplies energy and bulk which help to keep you "regular."

Penny Postal Brings Free Booklet—Complete plan for losing 7 pounds a month in purse-size booklet. State whether for man or woman. Address: Ry-Krisp, 207 Chestnut Street, St. Louis, Missouri. Offer good only in U. S. and Canada.

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human characters whose humor, whose tears, whose struggles you will never forget. Of this 600-page novel, Alexander Woolcott said, "It seems to me as great a book as has yet come out of America," and Carl Van Doren wrote, "A mighty document and an amazing work of art." Over 300,000 people have paid \$2.75 for John Steinbeck's "The Grapes of Wrath." You may have the identical edition absolutely free, if you accept promptly the offer of Literary Guild membership outlined below. This offer is for a limited time only. Don't miss it!



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